

1737.

755.6

# Apollo Anglicanus:

PP. 2465  
10

## THE ENGLISH APOLLO:

Assisting

All Persons in the Right Understanding of this YEAR's Revolutions, as also of Things past, present, and to come.

Atwofold Kalendar, viz. Julian or English, and Gregorian or Foreign Computations, more plain and full than any other; with the Rising and Setting of the Sun, the Nightly Rising and Setting of the Moon, and also her Southing, exactly calculated for every Day.

Of General USE for most MEN.

Being the First after Bissextile or LEAP-YEAR.

To which is added the Moon's Application to the fixed Stars: With the Calculations of the Eclipses: Also Rules and Tables for the Measuring of Timber: With many other Things both pleasant, useful, and necessary.

Calculated according to Art, and fitted to the Meridian of Leicester, whose Latitude is 52 Degrees, 41 Minutes, exactly fitting all the middle Counties of England, and, without sensible Error, the whole Kingdom.

By RICHARD SAUNDERS,

Student in the Physical and Mathematical Sciences

LONDON: Printed by A. WILDE  
for the Company of STATIONERS, 1737.

*Ephemerides. &c.*

# TERMS and their RETURNS for 1737

**Hilary-Term** begins Jan. 24. ends Feb. 12.

| Returns or Etloign-days.                    | Exc. | Ret. | Ap. | W. da. |
|---------------------------------------------|------|------|-----|--------|
| In eight days of St. Hilary, Jan. 20        | 21   | 22   | 24  | Mond.  |
| From the day of St. Hilary in 15 days, 27   | 28   | 29   | 31  | Mond.  |
| On the mor. of Purif. of bleſſ. Ma. Feb. 3  | 4    | 5    | 7   | Mond.  |
| In 8 days of the Purif. of the bleſſ. Ma. 9 | 10   | 11   | 12  | Saturd |

**Easter-Term** begins April 27 ends May 23.

|                                             |    |    |    |       |
|---------------------------------------------|----|----|----|-------|
| From the day of Eaſter in 15 days, April 25 | 26 | 26 | 27 | Wedn. |
| From the day of Eaſter in 3 weeks, May 2    | 3  | 3  | 4  | Wedn  |
| From the day of Eaſter in one month, 9      | 10 | 10 | 11 | Wedn  |
| From the day of Eaſter in five weeks, 16    | 17 | 17 | 18 | Wedn  |
| On the morrow of the Aſcenſion, 20          | 21 | 21 | 23 | Wond  |

**Trinity-Term** begins June 10. ends June 29.

|                                               |    |    |    |        |
|-----------------------------------------------|----|----|----|--------|
| On the morrow of the holy Trinity, June 6     | 7  | 8  | 10 | Friday |
| In eight days of the holy Trinity, 13         | 14 | 14 | 15 | Wedn.  |
| From the day of the holy Trin. in 15 days, 20 | 21 | 21 | 22 | Wedn.  |
| From the day of the holy Trin. in 3 weeks, 27 | 28 | 28 | 29 | Wedn.  |

**Michaelmas-Term** begins October 24. ends Nov. 28.

|                                               |    |    |    |        |
|-----------------------------------------------|----|----|----|--------|
| From the day of St. Mich. in 3 weeks, Oct. 20 | 21 | 22 | 24 | Mond.  |
| From the day of St. Michael in 1 month, 27    | 28 | 29 | 31 | Mond.  |
| On the morrow of all Souls, Nov. 3            | 4  | 5  | 7  | Mond.  |
| On the morrow of St. Martin, 12               | 14 | 14 | 15 | Tueſd. |
| In eight days of St. Martin, 18               | 19 | 19 | 21 | Mond.  |
| From the day of St. Martin in 15 days, 25     | 26 | 26 | 28 | Mond.  |

N. B. No Sittings in *Westminster-Hall* on Aſcenſion-day, Midſummer-day, the 1ſt and 2d of November, and the 2d of Febr.

The *Exchequer* opens eight Days before any Term except Trinity, before which it opens but four Days.

Note. That the firſt and laſt Days of every Term, are the firſt and laſt Days of Appearance.

## Common Notes, and Moveable Feaſts in the Julian and Gregorian Calendar for the Year 1737.

| Julian.             | Gregorian | Julian.              | Gregorian |
|---------------------|-----------|----------------------|-----------|
| 9 Golden Number     | 9         | Feb. 20 Shro. Sund.  | March 3   |
| 10 Cycle of the Sun | 10        | Apr. 10 Eaſter-day,  | Apr. 21   |
| 5 Dominical Letter  | 5         | May 15 Rogat. Sund.  | May 26    |
| 9 Epact             | 28        | May 19 Aſcen. Day    | May 30    |
| 0 Roman Indiction   | 0         | May 29 Whit. Sand.   | June 9    |
| 20 Numb. Direction  | 24        | Nov. 27 Advent. Sun. | D. c. 1   |

William  
William  
Henry  
Stephen

Henry  
Richard  
John  
Henry  
Edward  
Edward  
Richard

Henry  
Henry  
Henry

Edward  
Edward  
Richard

Henry  
Henry  
Edward  
Qu. Mary  
Qu. Eliz.

James  
Charles  
Charles  
James  
Will. &  
Mary  
Qu. Ann  
George  
George

Yo  
An  
G  
T  
If  
Sir

1737

# TABLE of the **KINGS** and **QUEENS** of *England*, since the Conquest.

|        |           | Born |                 | Reign. | Since their Reign | Buried at |
|--------|-----------|------|-----------------|--------|-------------------|-----------|
|        |           | Ann. | Began to reign. | Y. M.  | ended.            |           |
| W. da. | William 1 | 1029 | 1060, Octob. 14 | 20 11  | 658, Septem. 9    | Caen Nor. |
| Mond.  | William 2 | 1056 | 1087, Sept. 9   | 12 11  | 637, August 2     | Winchest. |
| Mond.  | Henry 1   | 1068 | 1100, Aug. 2    | 35 4   | 602, Decemb. 1    | Reading   |
| Saturd | Stephen   | 1105 | 1135, Dec. 1    | 18 11  | 583, Octob. 25    | Feverham  |

## The *Saxon* Line restor'd.

|        |           |      |                |      |                |            |
|--------|-----------|------|----------------|------|----------------|------------|
| Wedn.  | Henry 2   | 1132 | 1154, Octo. 25 | 35 9 | 548, July 6    | Fountever  |
| Wedn   | Richard 1 | 1155 | 1189, July 6   | 9 9  | 538, April 6   | Fountever  |
| Wedn   | John      | 1165 | 1199, April 6  | 17 6 | 521, Octob. 19 | Worcester  |
| Wedn   | Henry 3   | 1207 | 1216, Octo. 19 | 56 1 | 465, Nov. 16   | Westmin.   |
| Wond   | Edward 1  | 1239 | 1272, Nov. 16  | 34 8 | 430, July 7    | Westmin.   |
|        | Edward 2  | 1283 | 1307, July 7   | 19 7 | 411, Jan. 25   | Gloucester |
| Friday | Edward 3  | 1312 | 1326, Jan. 25  | 51 5 | 360, June 21   | Westmin.   |
| Wedn.  | Richard 2 | 1366 | 1377, Jun. 21  | 22 3 | 338, Sept. 29  | Westmin.   |

## The Line of *Lancaster*.

|       |         |      |                |      |                |          |
|-------|---------|------|----------------|------|----------------|----------|
| 3.    | Henry 4 | 1367 | 1399, Sept. 29 | 13 6 | 326, March 20  | Canterb. |
|       | Henry 5 | 1386 | 1412, Mar. 20  | 9 5  | 316, August 31 | Westmin  |
| Mond. | Henry 6 | 1421 | 1422, Aug. 31  | 38 6 | 277, March 4   | Windfor. |

## The Line of *York*.

|        |           |      |               |      |                |           |
|--------|-----------|------|---------------|------|----------------|-----------|
|        | Edward 4  | 1442 | 1461, Mar. 4  | 25 1 | 255, April 9   | Winchest. |
|        | Edward 5  | 1471 | 1483, April 9 | 0 1  | 253, June 18   | Not know. |
| Tuesd. | Richard 3 | 1448 | 1483, June 18 | 2 2  | 252, August 22 | Leicester |

## The Families United.

|         |           |      |                |       |               |          |
|---------|-----------|------|----------------|-------|---------------|----------|
| Mid-    | Henry 7   | 1455 | 1485, Aug. 22  | 23 6  | 228, April 22 | Westmin. |
| f Febr. | Henry 8   | 1491 | 1509, April 22 | 37 10 | 189, Jan. 28  | Windfor  |
|         | Edward 6  | 1537 | 1547, Jan. 28  | 6 5   | 184, July 6   | Westmin. |
|         | Qu. Mary  | 1518 | 1553, June 6   | 5 4   | 179, Nov. 17  | Westmin. |
| except  | Qu. Eliz. | 1533 | 1558, Nov. 17  | 44 4  | 135, March 24 | Westmin. |

## The Two Kingdoms in the same Line.

|  |              |      |               |       |                               |            |
|--|--------------|------|---------------|-------|-------------------------------|------------|
|  | James 1      | 1566 | 1602, Mar. 24 | 22 0  | 112, March 27                 | Westmin.   |
|  | Charles 1    | 1600 | 1625, Mar. 27 | 23 10 | 88, Januar. 30                | Windfor    |
|  | Charles 2    | 1630 | 1648, Jan. 30 | 36 0  | 52, Februar. 6                | Westmin.   |
|  | James 2      | 1633 | 1684, Feb. 6  | 4 0   | 48, Februa. 13                | S. Germai. |
|  | Will. & Mary | 1650 | 1689, Feb. 13 | 13 5  | 35, March 8                   | Westmin.   |
|  | Qu. Anne     | 1665 | 1702, Mar. 8  | 12 5  | 23, August 1                  | Westmin    |
|  | George 1     | 1660 | 1714, Aug. 1  | 12 10 | 10, June 11                   | Hanover.   |
|  | George 2     | 1683 | 1727, June 1  | 14    | Whom GOD grant long to Reign. |            |

You here may see a Race of Monarchs Great,  
And in what Time each took the Royal Seat :  
GOD set them up, the Subjects did them Crown,  
The greatest Rebel dares not pull 'em down :  
If some were bad, who durst them Tyrants call?  
Since good, or bad, they're God's Vicegerents all.

**A TABLE shewing the Time of the Moon's coming to the South, in Hours and Minutes, every Day for the First Six Months of the Year 1737.**

| Days | January |       | February |       | March |       | April |       | May   |       | June   |       |
|------|---------|-------|----------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
|      | h.      | m.    | h.       | m.    | h.    | m.    | h.    | m.    | h.    | m.    | h.     | m.    |
| 1    | 8       | A. 35 | 9        | A. 50 | 8     | A. 35 | 10    | A. 16 | 10    | A. 52 | 12     | A. 10 |
| 2    | 9       | 25    | 10       | 49    | 9     | 33    | 11    | 13    | 11    | 48    | Morn.  |       |
| 3    | 10      | 19    | 11       | 48    | 10    | 32    | 12    | 10    | Morn. |       | 1      | 7     |
| 4    | 11      | 15    | Morn.    |       | 11    | 30    | Morn. |       | 0     | 44    | 2      | 1     |
| 5    | 12      | 12    | 0        | 47    | 12    | 35    | 1     | 4     | 1     | 41    | 2      | 58    |
| 6    | Morn.   |       | 1        | 42    | Morn. |       | 2     | 1     | 2     | 38    | 3      | 46    |
| 7    | 1       | 10    | 2        | 37    | 1     | 22    | 2     | 57    | 3     | 31    | 4      | 36    |
| 8    | 2       | 6     | 3        | 29    | 2     | 19    | 3     | 53    | 4     | 24    | 5      | 24    |
| 9    | 3       | 2     | 4        | 23    | 3     | 13    | 4     | 48    | 5     | 15    | 6      | 6     |
| 10   | 3       | 55    | 5        | 15    | 4     | 8     | 5     | 40    | 6     | 2     | 6      | 55    |
| 11   | 4       | 57    | 6        | 9     | 5     | 1     | 6     | 30    | 6     | 46    | 7      | 22    |
| 12   | 5       | 36    | 7        | 1     | 5     | 57    | 7     | 12    | 7     | 23    | 8      | 9     |
| 13   | 6       | 30    | 7        | 53    | 6     | 47    | 8     | 14    | 8     | 10    | 8      | 50    |
| 14   | 7       | 22    | 8        | 45    | 7     | 37    | 8     | 49    | 8     | 51    | 9      | 36    |
| 15   | 8       | 23    | 9        | 34    | 8     | 26    | 9     | 31    | 9     | 23    | 10     | 22    |
| 16   | 9       | 6     | 10       | 24    | 9     | 14    | 10    | 13    | 10    | 16    | 10     | 16    |
| 17   | 10      | 0     | 11       | 10    | 10    | 0     | 10    | 56    | 11    | 13    | 12     | 10    |
| 18   | 10      | 49    | 11       | 55    | 10    | 44    | 11    | 40    | 11    | 53    | 1 A. 4 |       |
| 19   | 11      | 39    | 12       | A. 49 | 11    | 28    | 12    | A. 23 | 12    | A. 45 | 1      | 56    |
| 20   | 12      | A. 27 | 1        | 39    | 12    | A. 9  | 1     | 9     | 1     | 42    | 2      | 52    |
| 21   | 1       | 14    | 2        | 3     | 12    | 53    | 1     | 58    | 2     | 25    | 3      | 44    |
| 22   | 1       | 57    | 2        | 46    | 1     | 34    | 2     | 48    | 3     | 21    | 4      | 36    |
| 23   | 2       | 37    | 3        | 30    | 2     | 16    | 3     | 39    | 4     | 16    | 5      | 27    |
| 24   | 3       | 23    | 4        | 15    | 3     | 5     | 4     | 31    | 5     | 11    | 6      | 20    |
| 25   | 4       | 6     | 5        | 2     | 3     | 53    | 5     | 25    | 6     | 1     | 7      | 14    |
| 26   | 4       | 49    | 5        | 50    | 4     | 44    | 6     | 10    | 6     | 50    | 8      | 7     |
| 27   | 5       | 33    | 6        | 43    | 5     | 24    | 7     | 14    | 7     | 47    | 8      | 58    |
| 28   | 6       | 19    | 7        | 28    | 6     | 29    | 8     | 8     | 8     | 36    | 9      | 54    |
| 29   | 7       | 8     |          |       | 7     | 27    | 9     | 2     | 9     | 28    | 10     | 49    |
| 30   | 7       | 58    |          |       | 8     | 13    | 9     | 57    | 10    | 18    | 11     | 44    |
| 31   | 8       | 52    |          |       | 9     | 10    |       |       | 11    | 13    |        |       |



coming to  
Day for the

TABLE shewing the Time of the Moon's coming to the South, in Hours and Minutes, every Day for the last Six Months of the Year 1737.

| June     | Day | July    |    | August  |    | Septem. |    | Octob.  |    | Novemb. |    | Decem.  |    |
|----------|-----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|
|          |     | h.      | m. | h.      | m. | h.      | m. | h.      | m. | h.      | m. | h.      | m. |
| 12 A. 10 | 1   | Morn.   |    | 1 M 4   |    | 2 M 4   |    | 2 M 13  |    | 3 M 23  |    | 3 M 43  |    |
| Morn.    | 2   | 0       | 37 | 1       | 47 | 2       | 48 | 2       | 55 | 4       | 15 | 4       | 33 |
| 1        | 3   | 1       | 31 | 2       | 33 | 3       | 25 | 3       | 46 | 5       | 10 | 5       | 27 |
| 2        | 4   | 2       | 20 | 3       | 17 | 4       | 21 | 4       | 35 | 6       | 3  | 6       | 17 |
| 2        | 5   | 3       | 7  | 3       | 56 | 4       | 56 | 5       | 25 | 6       | 55 | 7       | 9  |
| 2        | 6   | 3       | 53 | 4       | 37 | 5       | 48 | 6       | 22 | 7       | 38 | 8       | 1  |
| 3        | 7   | 4       | 33 | 5       | 19 | 6       | 35 | 7       | 22 | 8       | 31 | 8       | 54 |
| 4        | 8   | 5       | 16 | 6       | 5  | 7       | 30 | 8       | 20 | 9       | 27 | 9       | 50 |
| 5        | 9   | 6       | 0  | 6       | 55 | 8       | 28 | 9       | 6  | 10      | 23 | 0       | 49 |
| 6        | 10  | 6       | 52 | 7       | 45 | 9       | 21 | 10      | 1  | 11      | 26 | 11      | 48 |
| 6        | 11  | 7       | 28 | 8       | 35 | 10      | 20 | 10      | 59 | 12      | 22 | 12      | 50 |
| 7        | 12  | 8       | 21 | 9       | 29 | 11      | 12 | 11      | 42 | 1 A. 19 |    | 1 A. 48 |    |
| 8        | 13  | 9       | 7  | 10      | 31 | 12      | 10 | 12      | 45 | 2       | 17 | 2       | 47 |
| 8        | 14  | 9       | 57 | 11      | 30 | 1 A. 11 |    | 1 A. 40 |    | 3       | 14 | 3       | 41 |
| 9        | 15  | 10      | 54 | 12      | 26 | 2       | 8  | 2       | 37 | 4       | 12 | 4       | 29 |
| 10       | 16  | 11      | 45 | 1 A. 21 |    | 3       | 0  | 3       | 35 | 5       | 7  | 5       | 6  |
| 10       | 17  | 12      | 47 | 2       | 18 | 3       | 54 | 4       | 33 | 5       | 55 | 5       | 54 |
| 12       | 18  | 1 A. 41 |    | 3       | 13 | 4       | 48 | 5       | 31 | 6       | 42 | 6       | 31 |
| 1 A. 4   | 19  | 2       | 32 | 4       | 0  | 5       | 42 | 6       | 24 | 7       | 24 | 7       | 13 |
| 1        | 20  | 3       | 25 | 4       | 55 | 6       | 36 | 7       | 15 | 8       | 10 | 8       | 0  |
| 1        | 21  | 4       | 19 | 5       | 48 | 7       | 34 | 8       | 5  | 8       | 51 | 8       | 43 |
| 3        | 22  | 5       | 13 | 6       | 40 | 8       | 24 | 8       | 58 | 9       | 23 | 9       | 31 |
| 4        | 23  | 6       | 5  | 7       | 36 | 9       | 15 | 9       | 30 | 10      | 9  | 10      | 15 |
| 5        | 24  | 6       | 54 | 8       | 28 | 10      | 2  | 10      | 12 | 11      | 57 | 11      | 3  |
| 6        | 25  | 7       | 45 | 9       | 21 | 10      | 48 | 10      | 43 | 12      | 41 | 11      | 54 |
| 7        | 26  | 8       | 40 | 10      | 16 | 11      | 31 | 11      | 30 | Morn.   |    | 12      | 40 |
| 8        | 27  | 9       | 43 | 11      | 8  | 12      | 14 | 12      | 19 | 0       | 21 | Morn.   |    |
| 8        | 28  | 10      | 28 | 11      | 59 | Morn.   |    | Morn.   |    | 1       | 7  | 1       | 34 |
| 9        | 29  | 11      | 21 | 12      | 34 | 0       | 50 | 0       | 58 | 2       | 0  | 2       | 24 |
| 10       | 30  | 12      | 18 | 0 M 34  |    | 1       | 33 | 1       | 47 | 2       | 55 | 3       | 19 |
| 11       | 31  | 0 M 18  |    | 1       | 15 |         |    | 2       | 34 |         |    | 4       | 11 |

**To find the Time of High Water in most Parts of England, &c.**

**F**irst seek the Moon's Southing in the foregoing Table for your Day, then you may conclude it High-Water at the *Ile of Wight, Southampton, Quinborough and Portsmouth* for there the South and North Moons make a High-Water. But when you desire the Time of Full Sea in any of the following Coasts in the ensuing Table, find the Name of the Place, and see how many hours and minutes be annex'd thereunto in the Column under *H. M.* which being added to the time of the Moon's coming to the South, gives the time of High-Water at the Place required.

**A Tide-Table with the Name of the Havens. M. H.**

|                                                                                                |    |    |
|------------------------------------------------------------------------------------------------|----|----|
| <i>Rocheſter, Malden, Aberdeen, Weſt-end of the Nore</i>                                       | 0  | 45 |
| <i>Graveſend, Downs, Thanet, Romney, Ramkins</i>                                               | 1  | 30 |
| <i>Dundee, St. Andrews, Liſbon, Bell-Iſle</i>                                                  | 2  | 15 |
| <i>London, Tinmouth, Hartle-pool, white Bay, Amſterdam</i>                                     | 3  | 00 |
| <i>Bridlington-Bay, Berwick, Oſtend, Flushing, Bourdeaux</i>                                   | 3  | 45 |
| <i>Leith, Dunbar, Narbon, Scarborough, Se-<br/>vern, Ballimore, Mounts-bay, Cork, Kingſale</i> | 4  | 30 |
| <i>Newcaſtle, Falmouth, Dartm. Humb. Torbay, Guernſey</i>                                      | 5  | 15 |
| <i>Lyn, Antwerp, Plim. Hull, Weym. S. David's, S. Malo</i>                                     | 6  | 00 |
| <i>Briſtol, Start-point, Lanion, Foulneſs</i>                                                  | 6  | 45 |
| <i>Millford, Bridgwater, Northcoast, Lands-end, Waterford</i>                                  | 7  | 30 |
| <i>Portland, Peter-port, Hartſlew, Dublin</i>                                                  | 8  | 15 |
| <i>S. Hellens, Man-Iſle, Pool, Needles, Orford, N. &amp; S. Forel.</i>                         | 9  | 00 |
| <i>Dover, Yarmouth, Harwich, Callice-Road, Bullein</i>                                         | 10 | 30 |
| <i>Rye, Wincheſter, Caſſet</i>                                                                 | 11 | 15 |

**Example.**

The 24th Day of January this Year, it is required to know the Time of High-Water at London: 3

In the former Table againſt Jan. the 24th. I find the Moon South at 3 ho. 23 min. Afternoon, then in the Tide-Table above, I find againſt London, 3 hours 0 min. which being added to 3 ho 23 min. makes 6 ho. 23 m. in the Afternoon, the Time of High-water at London, the ſaid 24th Day of January; the like of any other.

*Note,* The Latitude of the Moon and Winds may alter it an hour ſooner or later; and the Tide flows conſiderably more at the New and Full Moons, than at the Firſt and Laſt Quarters.

*Directions*

# DIRECTIONS for the subsequent DIARY or ALMANACK.

IN the first Column to the Left hand, on the Left-hand Page, you have the Numerical Figures of the Days of the Month.

In the second Column you have the Week-days, and the Dominical Letter.

In the third Column you have the Saints-days, and the Places of the Planets once a Month; as also the Moon's Application to the Planets and Fixed Stars, by which the Planets and Constellations may be easily known to an ingenious Eye and Understanding.

In the fourth Column the Moon's Place in the Zodiac, every Day at Noon in Signs.

In the fifth Column the Rising and Setting of the Moon, with Respect to her Latitude.

In the sixth Column the Mutual Aspects of the Planets, with the General State of the Weather.

In the first Column on the Right-hand Page you have the *Englisk* Account.

In the second Column you have the *Roman* Account, being now Eleven Days before ours.

In the third Column the *Roman* Week-days.

In the fourth Column the perfect *Roman* Calendar, and Saints-days.

In the fifth Column you have a Discourse of the Nature and Cause of the Northern Lights.

The sixth, seventh, and eighth Columns, the utmost to the Right-hand, shew you the daily Rising and Setting of the Sun.

On the top of the Left-hand Page is set the New and Full Moons, with the first and last Quarters.

On the top of the Right-hand Page is set the Rising, Southing, and Setting of the Planets.

# 1737. January hath xxxi Days.

- Full Moon the 5th. day at 7 in the evening.
- ☾ Last Quarter the 12th day, at 2 in the afternoon.
- New Moon the 19th day, at 9 at night.
- ☽ First Quarter the 27th day, at midnight.

|    |   |                     |          |        |       |                |
|----|---|---------------------|----------|--------|-------|----------------|
| 1  | g | New-year's Day.     | throat   | 3      | M. 2  | Cold freezing  |
| 2  | h | 2 Sun. aft. Christ. | arms     | 4      | 16    | weather at     |
| 3  | c | ☾ with Aldebar.     | shoulder | 5      | 28    | the beginning  |
| 4  | d | 1st. day, 11 at n.  | breast   | 6      | 32    | but soon turns |
| 5  | e |                     | stomach  | Full ☾ |       | to snow or     |
| 6  | f | Epiphany.           | heart    | 5      | A. 36 | cold rain.     |
| 7  | g | ☽ with Cor. ☉       | back     | 6      | 54    | ☐ h y. ✕ d     |
| 8  | a | Lucian              | bowels   | 8      | 12    | y. ☐ h q       |
| 9  | b | 1 Sun. aft. Epip.   | belly    | 9      | 31    | ☐ d q.         |
| 10 | c | ☉ in ♊ 2 deg.       | reins    | 10     | 46    | ☾ Perigæon.    |
| 11 | d | h II 5. R.          | loins    | 12     | 0     | blustr. winds  |
| 12 | e | ☿ ♊ 23              | secrets  | Morn.  |       | producing va-  |
| 13 | f | Hilary              | bladder  | 1      | 16    | rious sorts of |
| 14 | g | ☽ 8. 8.             | thighs   | 2      | 35    | △ ☉ h wea.     |
| 15 | a | ☿ ♋ 14.             | and      | 3      | 34    | Clear sharp    |
| 16 | b | 2 Sun. aft. Epip.   | hips     | 4      | 30    | frost and sno  |
| 17 | c | ☿ ♋ 21.             | knees    | 5      | 27    | ☐ ☉ d          |
| 18 | d |                     | hams     | 6      | 18    | Dark cloudy    |
| 19 | e | Day incr. 1. 10.    | legs     | New ☾  |       | weather with   |
| 20 | f | P. of WALES B.      | ankles   | 5      | A. 32 | ☽ ♋ q some     |
| 21 | g | St. Agnes           | feet     | 6      | 33    | snow or rain.  |
| 22 | a | ☽ with Venus        | and      | 7      | 35    |                |
| 23 | b | 3 Sun. aft. Epip.   | toes     | 8      | 38    | ☾ Apogæon.     |
| 24 | c | Term Begins         | head     | 9      | 4     | Clearing win.  |
| 25 | d | Conv. St. Paul      | face     | 10     | 47    | frosty and     |
| 26 | e |                     | neck     | 11     | 50    | ☐ h q fair.    |
| 27 | f | ☽ with Mars         | and      | 12     | 52    | Overcast for   |
| 28 | g | ☿ with Elong.       | throat   | Morn.  |       | rain or snow.  |
| 29 | a | ☽ with Saturn       | arms     | 1      | 54    |                |
| 30 | b | K. Ch. I. Marc.     | shoulder | 2      | 58    | Clear sharp    |
| 31 | c |                     | breast   | 3      | 59    | frosty air.    |

Saun

Romi  
Foreig. Accoun  
Englis. Accoun

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Saunders. January 1737.

Rom. St. Days  
Rom. Calendar  
Foreig. Accoun  
Engliſh Accoun

Saturn is South at 8 at night, ſets 4 in morn.  
Jupiter ſets at 6 at night.  
Mars is South at 6 at night, ſets 1 in morn.  
Bright Venus at the beginning ſets about 7  
night, at the end at paſt 8.  
Mercury ſets at 5 in the evening.

|    |    |   |             |    |   |    |    |
|----|----|---|-------------|----|---|----|----|
| 1  | 2  | c | With D      | 1  | 8 | 7  | 53 |
| 2  | 13 | f | Su. af. E.  | 2  |   | 5  | 55 |
| 3  | 14 | g | Hilarius    | 3  |   | 4  | 56 |
| 4  | 15 | a |             | 4  |   | 3  | 57 |
| 5  | 16 | b | Marcellus   | 5  | 8 | 13 | 59 |
| 6  | 17 | c | Anthony     | 6  | 7 | 59 | 4  |
| 7  | 18 | d |             |    |   | 58 | 2  |
| 8  | 19 | e | Marii Ma    | 8  |   | 57 | 3  |
| 9  | 20 | f | Su. af. E.  | 9  |   | 55 | 5  |
| 10 | 21 | g | Agnes v     | 10 |   | 54 | 6  |
| 11 | 22 | a |             | 11 |   | 52 | 8  |
| 12 | 23 | b | Raym. de P  | 12 |   | 51 | 9  |
| 13 | 24 | c | Timothy     | 13 |   | 50 | 10 |
| 14 | 25 | d | Con. S. P.  | 14 |   | 48 | 12 |
| 15 | 26 | e | Polycarp    | 15 | 7 | 46 | 4  |
| 16 | 27 | f | Su. af. E.  | 16 |   | 45 | 15 |
| 17 | 28 | g | Agnes Sec.  | 17 |   | 43 | 17 |
| 18 | 29 | a |             | 18 |   | 40 | 20 |
| 19 | 30 | b | Marrina     | 19 |   | 38 | 22 |
| 20 | 31 | c | Pet. Nolaſ. | 20 |   | 36 | 24 |
| 21 | 1  | d | February    | 21 |   | 34 | 26 |
| 22 | 2  | e | Pur. V. M.  | 22 | 7 | 33 | 4  |
| 23 | 3  | f | Su. af. E.  | 23 |   | 31 | 29 |
| 24 | 4  | g |             | 24 |   | 29 | 31 |
| 25 | 5  | a | Agatha      | 25 |   | 27 | 33 |
| 26 | 6  | b | Dorothea    | 26 |   | 25 | 35 |
| 27 | 7  | c | Romnold     | 27 |   | 23 | 37 |
| 28 | 8  | d |             | 28 |   | 21 | 39 |
| 29 | 9  | e | Apo. V. M.  | 29 |   | 19 | 40 |
| 30 | 10 | f | Su. af. E.  | 30 | 7 | 17 | 4  |
| 31 | 11 | g |             | 31 |   | 16 | 44 |

This



1737.

February hath xxviii Days.

- Full Moon the 4th day, at 6 in the morning.
- Last Quarter the 10th day, at 11 at night.
- New Moon the 18th day, at 3 in the evening.
- First Quarter the 26th day, at 6 in the evening.

| Mont. Da. | Week Da. | Festival & Saints days, with the C's applicat. to the noted fixed stars | The D's place in the zodiac at N. | The C's rising fro. the full to the change, & setting fr. the cha. to the fu. | The mutual Aspects of the Planets, with the Various Confi- tution of Air, and change of Weat. |
|-----------|----------|-------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 1         | D        |                                                                         | stomach                           | 4 M 52                                                                        | * ♀ Wind                                                                                      |
| 2         | E        | Purif. Vir. Mary                                                        | heart                             | 5 44                                                                          | with plenty of                                                                                |
| 3         | F        | Incum Cor. Lor.                                                         | back                              | Full D                                                                        | cold rain or                                                                                  |
| 4         | G        | Blasius B.                                                              | bowels                            | 5 A. 44                                                                       | snow at the                                                                                   |
| 5         | A        | h 5 II                                                                  | belly                             | 7 2                                                                           | begin. ♂ ☉ ♀                                                                                  |
| 6         | B        | Septuagesima                                                            | reins                             | 8 26                                                                          | ♂ Perigæon                                                                                    |
| 7         | C        | ☉ in Pisces                                                             | and                               | 9 45                                                                          | wet and un-                                                                                   |
| 8         | D        | ♂ enters ♋                                                              | loins                             | 11 0                                                                          | settled weath.                                                                                |
| 9         | E        | ♂ 22 ♄                                                                  | secrets                           | 12 14                                                                         | still continues                                                                               |
| 10        | F        | ♀ 15 ♀                                                                  | bladder                           | Morn.                                                                         |                                                                                               |
| 11        | G        | ♀ 11 ♋ 15.                                                              | thighs                            | 1 25                                                                          | Cold dull air,                                                                                |
| 12        | A        | Term Ends                                                               | hips                              | 2 30                                                                          | ☉ ☉ h overc.                                                                                  |
| 13        | B        | Sexagesima                                                              | knees                             | 3 29                                                                          | for rain or                                                                                   |
| 14        | C        | Valentine.                                                              | hams                              | 4 21                                                                          | ♂ ☉ ♀ hail.                                                                                   |
| 15        | D        | Day incr. 3 ho.                                                         | legs                              | 5 8                                                                           | Flying clouds                                                                                 |
| 16        | E        |                                                                         | and                               | 5 50                                                                          | ☉ ♀ and                                                                                       |
| 17        | F        | ♂ with Jupiter                                                          | ankles                            | New)                                                                          | unsettled air.                                                                                |
| 18        | G        | Sun Eclipsed                                                            | feet                              | 5 A. 28                                                                       | Rain or snow.                                                                                 |
| 19        | A        |                                                                         | toes                              | 6 31                                                                          | ♂ ♀                                                                                           |
| 20        | B        | Quinquagesima                                                           | head                              | 7 34                                                                          | ♂ Apogæon                                                                                     |
| 21        | C        |                                                                         | and                               | 8 37                                                                          | Lofty winds                                                                                   |
| 22        | D        | Shrove. Tuesday                                                         | face                              | 9 40                                                                          | Prin. Maria B.                                                                                |
| 23        | E        | Ash-Wednesday                                                           | neck                              | 10 43                                                                         | ☉ ☉ storms                                                                                    |
| 24        | F        | St. Matthias                                                            | throat                            | 11 46                                                                         | of rain or                                                                                    |
| 25        | G        | ♂ with Saturn &                                                         | arms                              | 12 48                                                                         | snow.                                                                                         |
| 26        | A        | Aldeb. 25 d. 6 h                                                        | and                               | Morn.                                                                         |                                                                                               |
| 27        | B        | 1st Sund. in Lent                                                       | shoulder                          | 1 45                                                                          | Now more cal.                                                                                 |
| 28        | C        |                                                                         | breast                            | 2 43                                                                          | and serene.                                                                                   |

Saund

Kom.  
For. Account.  
Engl. Account.

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Saunders.

February 1737.

|               |              |               |               |                                                                                                                                                                                                                                                  |
|---------------|--------------|---------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engl. Account | For. Account | Rom. Calendar | Rom. St. days | <i>Saturn South at 6 even. sets at 2 in morn.</i><br><i>Jupiter rises and sets with the Sun.</i><br><i>Mars South 5 even. sets at 1 in the morn.</i><br><i>Venus sets about 9 at night.</i><br><i>Mercury is combust or under the Sun-beams.</i> |
|---------------|--------------|---------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|    |      | Feerie Sta. & Concep. | Generation of Things in the Moon, &c. | M.D. | ☉ ril. | ☉ set   |
|----|------|-----------------------|---------------------------------------|------|--------|---------|
| 1  | 12   | a                     | This light hath                       | 1    | 7      | 14 4 46 |
| 2  | 13   | b                     | since been seen by o-                 | 2    | 12     | 48      |
| 3  | 14   | c                     | thers and is now usu-                 | 3    | 10     | 50      |
| 4  | 15   | d                     | ally called the <i>Zodiacal</i>       | 4    | 8      | 52      |
| 5  | 16   | e                     | light; it extending it-               | 5    | 6      | 54      |
| 6  | 17   | f                     | self from the sun along               | 6    | 4      | 56      |
| 7  | 18   | g                     | the <i>Zodiac</i> in form of a        | 7    | 2      | 4 58    |
| 8  | 19   | a                     | lucid Pyramid, and is                 | 8    | 0      | 5 0     |
| 9  | 20   | b                     | now seen som-times                    | 9    | 58     | 5 2     |
| 10 | 21   | c                     | till the beginning of                 | 10   | 56     | 4       |
| 11 | 22   | d                     | <i>April.</i>                         | 11   | 54     | 6       |
| 12 | 23   | e                     | Our Famous Dr.                        | 12   | 52     | 8       |
| 13 | 24   | f                     | <i>Derham</i> inform us that          | 13   | 50     | 10      |
| 14 | 25   | g                     | about a quarter of an                 | 14   | 48     | 12      |
| 15 | 26   | a                     | hour after Sun-set,                   | 15   | 46     | 14      |
| 16 | 27   | b                     | <i>April 3d 1707</i> ; he per-        | 16   | 44     | 16      |
| 17 | 28   | c                     | ceived in the Western                 | 17   | 42     | 18      |
| 18 | Mar. | d                     | parts of the Heavens a                | 18   | 40     | 20      |
| 19 | 1    | e                     | long slender Pyra-                    | 19   | 38     | 5 22    |
| 20 | 2    | f                     | midal apearance per-                  | 20   | 36     | 24      |
| 21 | 3    | g                     | pendicular to Hori-                   | 21   | 34     | 26      |
| 22 | 4    | a                     | zon, the Base of which                | 22   | 32     | 28      |
| 23 | 5    | b                     | he judged to be the                   | 23   | 30     | 30      |
| 24 | 6    | c                     | Sun. It was of a rusty                | 24   | 28     | 32      |
| 25 | 7    | d                     | Colour, the top part                  | 25   | 26     | 34      |
| 26 | 8    | e                     | more faint than the                   | 26   | 24     | 36      |
| 27 | 9    | f                     | bottom.                               | 27   | 22     | 38      |
| 28 | 10   | g                     | Again                                 | 28   | 20     | 5 40    |

1737.

March hath xxxi Days.

- Full Moon the 5th day at 5 in the evening.
- ☾ Last Quarter the 12th day, at 9 in the morning.
- New Moon the 20th day, at 9 in the morn.
- ☾ First Quarter the 28th day, at 8 in the morn.

|    |   |                  |          |       |       |                 |                                                                                                                                                                                                                                                                                                                               |
|----|---|------------------|----------|-------|-------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | D | Q. Car. Bo. 1682 | stomach  | 3     | M 36  | Moon's rising.  | The Month<br>beg with sto.<br>of sn. or cold<br>rain, which ☐<br>☿ ☽ continue<br>☾ Per<br>for sev. days.                                                                                                                                                                                                                      |
| 2  | E | Ember Week       | heart    | 4     | 28    |                 |                                                                                                                                                                                                                                                                                                                               |
| 3  | F |                  | back     | 5     | 0     |                 |                                                                                                                                                                                                                                                                                                                               |
| 4  | G | h 7 II           | bowels   | Full  | ☾     |                 |                                                                                                                                                                                                                                                                                                                               |
| 5  | A | ☾ Eclipsed       | belly    | 6     | 0     |                 |                                                                                                                                                                                                                                                                                                                               |
| 6  | B | 2 Sund. in Lent. | reins    | 7     | 24    |                 |                                                                                                                                                                                                                                                                                                                               |
| 7  | C | ☿ 6 ✕            | loins    | 8     | 43    |                 |                                                                                                                                                                                                                                                                                                                               |
| 8  | D | ☽ 8 II           | secrets  | 10    | 1     |                 |                                                                                                                                                                                                                                                                                                                               |
| 9  | E | equal D. and N.  | bladder  | 11    | 17    |                 |                                                                                                                                                                                                                                                                                                                               |
| 10 | F | ☾ in ♊ degree    | thighs   | 2     | 28    |                 |                                                                                                                                                                                                                                                                                                                               |
| 11 | G | ☿ 17 ☽           | hips     | Morn. |       | Moon's setting. | now more<br>moderate than<br>☐ h ☽ at the<br>beginning.<br><br>☐ ☽ ☽ blust.<br>☽ ☽ ☽ winds<br>* ☽ ☽ and<br>storms of cold<br>rain or sleet at<br>this time.<br>☽ Apogeeon.<br>☐ ☽ ☽<br>brisk winds<br>and various<br>sorts of wea-<br>ther.<br><br>Now mo. cal-<br>serene and<br>settled than<br>* ☽ ☽ were<br>the beginning. |
| 12 | A | Gregory          | knees    | 1     | 23    |                 |                                                                                                                                                                                                                                                                                                                               |
| 13 | B | 3 Sund. in Lent. | hams     | 2     | 17    |                 |                                                                                                                                                                                                                                                                                                                               |
| 14 | C | ☿ 7 ✕            | legs     | 3     | 5     |                 |                                                                                                                                                                                                                                                                                                                               |
| 15 | D | ☿ Max. Elong.    | and      | 3     | 41    |                 |                                                                                                                                                                                                                                                                                                                               |
| 16 | E |                  | ankles   | 4     | 12    |                 |                                                                                                                                                                                                                                                                                                                               |
| 17 | F | St. Patrick      | feet     | 4     | 40    |                 |                                                                                                                                                                                                                                                                                                                               |
| 18 | G |                  | toes     | 5     | 6     |                 |                                                                                                                                                                                                                                                                                                                               |
| 19 | A | Joseph           | head     | New   | ☾     |                 |                                                                                                                                                                                                                                                                                                                               |
| 20 | B | Midlent Sund.    | face     | 6     | A. 36 |                 |                                                                                                                                                                                                                                                                                                                               |
| 21 | C |                  | neck     | 7     | 38    |                 |                                                                                                                                                                                                                                                                                                                               |
| 22 | D | Day inc. 5, 22.  | and      | 8     | 41    |                 |                                                                                                                                                                                                                                                                                                                               |
| 23 | E |                  | throat   | 9     | 45    |                 |                                                                                                                                                                                                                                                                                                                               |
| 24 | F | ☾ with h         | arms     | 10    | 46    |                 |                                                                                                                                                                                                                                                                                                                               |
| 25 | G | Lady-Day         | ind      | 11    | 47    |                 |                                                                                                                                                                                                                                                                                                                               |
| 26 | A |                  | shoulder | 12    | 48    |                 |                                                                                                                                                                                                                                                                                                                               |
| 27 | B | 5 Sund. in Lent. | breast   | Morn. |       |                 |                                                                                                                                                                                                                                                                                                                               |
| 28 | C |                  | stomach  | 1     | 28    |                 |                                                                                                                                                                                                                                                                                                                               |
| 29 | D |                  | heart    | 2     | 15    |                 |                                                                                                                                                                                                                                                                                                                               |
| 30 | E | ☾ with Cor. ☽.   | back     | 2     | 56    |                 |                                                                                                                                                                                                                                                                                                                               |
| 31 | F |                  | bowels   | 3     | 32    |                 |                                                                                                                                                                                                                                                                                                                               |

Saun

For. Account.  
Engl. Account.

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Saunders.

March 1737.

Saturn sets at Midnight.  
 Jupiter rises at 5 in the morning.  
 Mars sets at midnight, being at the be-  
 ginning of this month, in company with  
 Saturn.  
 Bright Venus sets at 10 at Night.

| Engl. Account. | Rom. Calendar. | Rom. St. days. |             |                         |  |    |   |    |      |
|----------------|----------------|----------------|-------------|-------------------------|--|----|---|----|------|
| 1              | 12             | a              | Gregorius.  |                         |  | 1  | 6 | 18 | 5 42 |
| 2              | 13             | b              | Angaria     | Of the Northern Lights. |  | 2  |   | 16 | 44   |
| 3              | 14             | c              | Eutichus    |                         |  | 3  |   | 13 | 47   |
| 4              | 15             | d              | Longinus    | Again on the 20th.      |  | 4  |   | 11 | 49   |
| 5              | 16             | e              |             | of March 1716. in the   |  | 5  |   | 9  | 51   |
| 6              | 17             | f              | Reminis c.  | Evening, the same       |  | 6  |   | 8  | 54   |
| 7              | 18             | g              |             | Gentleman espied a      |  | 7  |   | 4  | 56   |
| 8              | 19             | a              | Josephus    | very odd sort of Light  |  | 8  | 6 | 25 | 58   |
| 9              | 20             | b              | Cuthbert    | in the Constellation of |  | 9  | 6 | 06 |      |
| 10             | 21             | c              | Benedictus  | Taurus. This Glade of   |  | 10 | 5 | 58 | 6    |
| 11             | 22             | d              |             | Light had the same      |  | 11 |   | 56 | 4    |
| 12             | 23             | e              |             | Motion that the Hea-    |  | 12 |   | 54 | 6    |
| 13             | 24             | f              | Oculi       | vens had, and was       |  | 13 |   | 52 | 8    |
| 14             | 25             | g              | Anunc. M.   | much like the Tail of   |  | 14 |   | 50 | 10   |
| 15             | 26             | a              | Castulus    | a Comet, but pointed    |  | 15 |   | 48 | 12   |
| 16             | 27             | b              |             | at the upper End: This  |  | 16 |   | 46 | 14   |
| 17             | 28             | c              | Gideo       | Light is thought to     |  | 17 |   | 44 | 16   |
| 18             | 29             | d              | Felix       | be of the same Species  |  | 18 |   | 42 | 18   |
| 19             | 30             | e              |             | with the first obser-   |  | 19 |   | 40 | 20   |
| 20             | 31             | f              | Latare      | ved by Dr. Childrey,    |  | 20 | 5 | 38 | 22   |
| 21             | 1              | g              | April.      | in England, and after-  |  | 21 |   | 36 | 24   |
| 22             | 2              | a              | Fran. de P. | wards by Cassini, and   |  | 22 |   | 34 | 26   |
| 23             | 3              | b              |             | others in France.       |  | 23 |   | 32 | 28   |
| 24             | 4              | c              | Ambrose     |                         |  | 24 |   | 30 | 30   |
| 25             | 5              | d              | Cum 8       |                         |  | 25 |   | 28 | 32   |
| 26             | 6              | e              | Sixtus Pap  |                         |  | 26 |   | 26 | 34   |
| 27             | 7              | f              | Pallion S.  |                         |  | 27 |   | 24 | 36   |
| 28             | 8              | g              |             |                         |  | 28 |   | 22 | 38   |
| 29             | 9              | a              |             |                         |  | 29 |   | 19 | 40   |
| 30             | 10             | b              | Marcellus   |                         |  | 30 | 5 | 17 | 42   |
| 31             | 11             | c              | Leo Pap.    |                         |  | 31 |   | 16 | 44   |

1737.

April hath xxx Days.

- Full Moon the 4th day, at 1 in the morning.
- ☾ Last Quarter the 10th day, at 9 at night.
- New Moon the 19th day, at 1 in the morn.
- ☾ First Quarter the 26th day, at 7 at night.

|    |   |                    |          |        |      |                 |
|----|---|--------------------|----------|--------|------|-----------------|
| 1  | g | Noah               | belly    | 4      | A.10 | Drifling cold   |
| 2  | a |                    | reins    | 4      | 40   | ☿ h ♀ air.      |
| 3  | ☿ | Palm Sunday        | loins    | Full ☾ |      | ☾ Perigzon      |
| 4  | c | Ambrose            | secrets  | 7      | A.15 | Great downfal   |
| 5  | d | Day incr. 6. 12.   | bladder  | 9      | 5    | of rain and     |
| 6  | e |                    | thighs   | 10     | 18   | * h ♀ very      |
| 7  | f | Maund. Thursd.     | hips     | 11     | 24   | ☿ ♀ disturb.    |
| 8  | g | Good-Friday        | knees    | 12     | 24   | cloudy and      |
| 9  | a | ☉ in Taurus        | and      | Morn.  |      | * ♀ ♀ unset-    |
| 10 | ☿ | Easter-Day         | hams     | 1      | 5    | tled weather.   |
| 11 | c | Monday             | legs     | 1      | 47   | Moon's setting  |
| 12 | d | Tuesday            | ankles   | 2      | 21   |                 |
| 13 | e | ♂ 29 ♀             | feet     | 2      | 50   |                 |
| 14 | f | ☾ with Jupiter     | and      | 3      | 18   |                 |
| 15 | g | Pr. Will. Born     | toes     | 3      | 39   | windy but for   |
| 16 | a |                    | head     | 4      | 2    | the most part   |
| 17 | ☿ | Low Sunday         | face     | 4      | 2    | dry.            |
| 18 | c | ♀ 21 ♀             | neck     | New ☾  |      | ☾ Apogzon       |
| 19 | d | ♀ 4 8              | and      | 7      | A.45 | * ♂ ♀ Overc     |
| 20 | e |                    | throat   | 8      | 48   | rough and tur-  |
| 21 | f | ☾ with Saturn      | arms     | 9      | 50   | bulent weather, |
| 22 | g | ☾ with Venus       | shoulder | 10     | 50   | bringing much   |
| 23 | a | St. George         | breast   | 11     | 47   | rain.           |
| 24 | ☿ | 2. Sun. aft. East. | stomack  | 12     | 44   | Still wet and   |
| 25 | c | St. Mark           | heart    | Morn.  |      | ☿ ☉ ♀ windy     |
| 26 | d |                    | and      | 1      | 12   | * ♀ ♀ * ☉ ♀     |
| 27 | e | Term Begins        | back     | 1      | 58   | Moon rising     |
| 28 | f |                    | bowels   | 2      | 13   |                 |
| 29 | g |                    | belly    | 2      | 44   |                 |
| 30 | a |                    | reins    | 3      | 15   |                 |
|    |   |                    |          |        |      | Now more        |
|    |   |                    |          |        |      | calm. fair and  |
|    |   |                    |          |        |      | pleasant.       |

Sawne

For. Account.  
Engl. Account.

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Saunders.

April 1737.

| Engl. Account. | For. Account. | Rom. Calendar. | Rom. St. days. |                                                            |
|----------------|---------------|----------------|----------------|------------------------------------------------------------|
|                |               |                |                | <i>Saturn</i> sets about 10 at night.                      |
|                |               |                |                | <i>Jupiter</i> rises at 4 in the morning.                  |
|                |               |                |                | <i>Mars</i> sets at midnight.                              |
|                |               |                |                | <i>Venus</i> the bright Evening Star, sets at 11 at Night. |
|                |               |                |                | <i>Mercury</i> rises a little before the Sun.              |

|      |   |              |                                  |    |    |    |    |
|------|---|--------------|----------------------------------|----|----|----|----|
| 112  | d | Julius       |                                  | 15 | 13 | 6  | 47 |
| 213  | e | Herm. M.     | This Zodiacal Light              | 2  | 11 |    | 49 |
| 314  | f | Palm Sun.    | M. de Mairan takes to            | 3  | 9  |    | 51 |
| 415  | g |              | be the Solar Atmo-               | 4  | 7  |    | 53 |
| 516  | a | Carisius     | sphere, which at cer             | 5  | 5  |    | 55 |
| 617  | b | S. Anicet.   | tain Times is extend-            | 6  | 3  |    | 57 |
| 718  | c | Viridium     | ed to such a Length as           | 7  | 5  | 16 | 59 |
| 819  | d | Chr. Pas.    | to reach beyond the              | 8  | 5  | 0  | 7  |
| 920  | e |              | Annual Orbit of our              | 9  | 4  | 58 | 7  |
| 1021 | f | Pascha       | Earth, and sometimes             | 10 |    | 56 | 4  |
| 1122 | g | Soter Ca.    | to blend itself with             | 11 |    | 54 | 6  |
| 1223 | a | St. George   | our Atmosphere, and              | 12 |    | 52 | 8  |
| 1324 | b |              | being of an Heteroge-            | 13 |    | 50 | 10 |
| 1425 | c | St. Mark     | neous Nature thereto,            | 14 |    | 48 | 12 |
| 1526 | d | Cletus       | it produces those se-            | 15 | 4  | 46 | 7  |
| 1627 | e |              | veral Appearances,               | 16 |    | 44 | 16 |
| 1728 | f | Quasimo.     | which form the <i>Auro.</i>      | 17 |    | 42 | 18 |
| 1829 | g | Cathar.      | <i>ra Borealis</i> , or Northern | 18 |    | 41 | 19 |
| 1930 | a | Cat. sen. v. | Lights.                          | 19 |    | 39 | 21 |
| 201  | b | May.         |                                  | 20 |    | 38 | 22 |
| 212  | c | Athanasius   | This Zodiacal Light              | 21 |    | 36 | 24 |
| 223  | d | Invent. +    | or Atmosphere of the             | 22 | 4  | 34 | 7  |
| 234  | e | Monica W.    | Sun, is not always vi-           | 23 |    | 32 | 28 |
| 245  | f | Misericor.   | sible to us, but makes           | 24 |    | 30 | 30 |
| 256  | g |              | certain Returns into             | 25 |    | 28 | 32 |
| 267  | a | Stanislaus   | our Neighbourhood :              | 26 |    | 26 | 34 |
| 278  | b | Ap. Mich     | By a Return is met               | 27 |    | 24 | 36 |
| 289  | c | Greg. Naz.   | a Series of Apparan-             | 28 |    | 22 | 38 |
| 2910 | d | Gord. & E.   | ces after a Cessation            | 29 |    | 21 | 40 |
| 3011 | e |              | for some Years.                  | 30 | 4  | 19 | 7  |
|      |   |              |                                  |    |    |    | 40 |

1737.

May hath xxxi Days.

- Full Moon the 3d day, at 9 in the morning.
- ( Last Quarter the 10th. day, at noon.
- New Moon the 18th day, at 4 in the afternoon.
- First Quarter the 26th day, at 2 in the morning.

|    |   |                   |           |       |    |                 |
|----|---|-------------------|-----------|-------|----|-----------------|
| 1  | c | 3 Sun. aft. East. | loins     | 3     | 41 | ● Perigæon      |
| 2  | d | Invent. Cross     | secrets   | Full  | 5  | windy and       |
| 3  | e | h 13 II           | bladder   | 9A.59 |    | dripping wea-   |
| 4  | f | l 18 X            | highs     | 9     | 5  | ther.           |
| 5  | g | o 13 ☽            | hips      | 10    | 18 | Hoar frost      |
| 6  | h | 2 29 II           | knees     | 11    | 13 | with a trou-    |
| 7  | i | 4 Sun. aft. East. | hams      | 12    | 0  | bled yet 6 h    |
| 8  | j | 3 16 II           | legs      | 12    | 32 | Q wholefome     |
| 9  | k | ☉ in Gemini       | ankles    | Morn. |    | state of air.   |
| 10 | l | ☽ with Jupiter    | feet      | 1     | 0  | Overcast for    |
| 11 | m | 12 day at 1 morn. | a d       | 1     | 36 | ☐ 11 hail       |
| 12 | n | Day incr. 8. 20.  | toes      | 2     | 12 | or fleet.       |
| 13 | o | Rogat. Sund.      | head      | 2     | 43 |                 |
| 14 | p |                   | and       | 3     | 10 | cold serene air |
| 15 | q |                   | face      | 3     | 33 | ● Apogæon       |
| 16 | r |                   | neck      | 4     | 0  | seasonable Δ    |
| 17 | s | ☽ with h & p      | throat    | 4     | 20 | ☽ showers       |
| 18 | t | Ascension Day     | arms      | New   |    | of rain of      |
| 19 | u | ☽ with Mars       | shoulders | 8A.55 |    | some days       |
| 20 | v |                   | breast    | 9     | 40 | continuance     |
| 21 | w | 6 Sun. aft. East. | and       | 10    | 36 |                 |
| 22 | x | Term Ends         | stomach   | 11    | 23 | good kind and   |
| 23 | y |                   | heart     | 11    | 54 | seasonable May  |
| 24 | z |                   | back      | 12    | 20 | weather.        |
| 25 | a |                   | towels    | Morn  |    |                 |
| 26 | b | Austin            | belly     | 0     | 50 | ☽ h dark        |
| 27 | c | Beae              | reins     | 1     | 10 | & cloudy we-    |
| 28 | d |                   | loins     | 1     | 43 | ther with f.    |
| 29 | e | Whic. Sund.       | secrets   | 2     | 6  | showers.        |
| 30 | f | P. Am. & C. B.    | bladder   | 2     | 38 | ● Perigæon      |
| 31 | g | Whic. Tues.       | thighs    | 3     | 7  | ☐ 11 rain.      |

Eng. Account.  
For. Account.  
Mort. Account.

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3111

# S AUNDERS, May 1737.

| Eng. Account. | For. Account. | Rom. Calend. | Rom. Sec. days |                                             |    |    |    |   |    |
|---------------|---------------|--------------|----------------|---------------------------------------------|----|----|----|---|----|
|               |               |              |                | Saturn sets at 9 at Night.                  |    |    |    |   |    |
|               |               |              |                | Jupiter rises at 2 in the Morning.          |    |    |    |   |    |
|               |               |              |                | Mars sets at 11 at Night.                   |    |    |    |   |    |
|               |               |              |                | Bright Venus sets at 10 at Night, she being |    |    |    |   |    |
|               |               |              |                | our Evening Star, and Jupiter our Morning   |    |    |    |   |    |
|               |               |              |                | Star.                                       |    |    |    |   |    |
|               | 112           | f            | Jubilate       |                                             |    | 14 | 18 | 7 | 42 |
|               | 213           | g            |                | Thus M. de Mairan                           | 2  | 17 |    |   | 43 |
|               | 314           | a            | Boniface       | from a curious search                       | 3  | 15 |    |   | 45 |
|               | 415           | b            | Sophia         | into the Account of                         | 4  | 13 |    |   | 47 |
|               | 516           | c            | Ubalde B. C.   | Mereors, makes but 22                       | 5  | 11 |    |   | 49 |
|               | 617           | d            |                | Returns from A. D. 400                      | 6  | 9  |    |   | 51 |
|               | 718           | e            | Venant. M.     | to A. D. 1716, but these                    | 7  | 7  |    |   | 53 |
|               | 819           | f            | Cantate        | Returns of the Zodiacal                     | 8  | 6  |    |   | 54 |
|               | 920           | g            | Bern. Sen.     | Light on which the                          | 9  | 4  |    |   | 56 |
|               | 1021          | a            |                | Northern Lights de-                         | 10 | 3  |    |   | 57 |
|               | 1122          | b            |                | pend, are not made                          | 11 | 4  | 1  | 7 | 59 |
|               | 1223          | c            | Desiderius     | regularly, but depend                       | 12 | 4  | 0  | 8 | 0  |
|               | 1324          | d            | Esther         | upon accidental Causes,                     | 13 | 3  | 59 | 8 | 1  |
|               | 1425          | e            | Urban          | so cannot be predicted                      | 14 | 58 |    |   | 2  |
|               | 1526          | f            | Rogat. Sun.    | beforehand. This Light                      | 15 | 56 |    |   | 4  |
|               | 1627          | g            | Jo. Pap.       | is also sometimes ex-                       | 16 | 55 |    |   | 5  |
|               | 1728          | a            |                | tended far above the                        | 17 | 54 |    |   | 6  |
|               | 1829          | b            |                | Horizon, at other times                     | 18 | 52 |    |   | 8  |
|               | 1930          | c            | Ascension      | as much contracted,                         | 19 | 51 |    |   | 9  |
|               | 2031          | d            | Petronilla     | both in its length and                      | 20 | 3  | 50 | 8 | 10 |
|               | 211           | e            | June           | luminousness and den-                       | 21 | 49 |    |   | 11 |
|               | 222           | f            | Exaudi         | sity, as to be but just                     | 22 | 48 |    |   | 12 |
|               | 233           | g            |                | visible, and afterwards                     | 23 | 47 |    |   | 13 |
|               | 244           | a            |                | for a long time not visi-                   | 24 | 47 |    |   | 13 |
|               | 255           | b            |                | ble at all.                                 | 25 | 46 |    |   | 14 |
|               | 266           | c            | Artemius       |                                             | 26 | 46 |    |   | 14 |
|               | 277           | d            | Paulus         | To produce these                            | 27 | 45 |    |   | 15 |
|               | 288           | e            |                | Northern Lights, it is                      | 28 | 45 |    |   | 15 |
|               | 299           | f            | Pentecost      | not only requir'd that                      | 29 | 44 |    |   | 16 |
|               | 3010          | g            |                | B the                                       | 30 | 44 | 8  |   | 16 |
|               | 3111          | a            | Barnabas.      |                                             | 31 | 43 |    |   | 17 |

# June hath XXX Days.

- Full Moon the 1st day, at 5 in the Evening.
- Last quarter the 9th day, 4 in the Morning.
- New Moon the 17th day, at 4 in the Morn.
- First quarter the 24th day, at 7 in the Morn.

|    |   |                 |          |       |      |                    |
|----|---|-----------------|----------|-------|------|--------------------|
| 1  | e | Ember Week      | hips     | 8     | A 12 | ☐ ☉ 4. ☿ ☊ ♀       |
| 2  | f | h 17 II.        | knees    | 9     | 6    | Showers of Rain    |
| 3  | g | 4 22 X.         | hams     | 9     | 38   | at the beginning   |
| 4  | a | ♂ 1 ♀.          | legs     | 10    | 26   | with some Thun-    |
| 5  | b | Trinity Sund    | and      | 11    | 01   | der.               |
| 6  | c | ♀ 18 II. R.     | ankles   | 11    | 30   | Moon's rising.     |
| 7  | d | ♀ 16 ♀. R.      | feet     | 11    | 49   |                    |
| 8  | e | ♂ with Jupiter  | toes     | 12    | 12   |                    |
| 9  | f | Corpus Christi  | head     | Morn. |      |                    |
| 10 | g | Term begins     | and      | 0     | 33   | Lofly Winds,       |
| 11 | a | S. Barnabas     | face     | 1     | 0    | ♂ h ♀. with        |
| 12 | b | 1 Sun. af. Trin | neck     | 1     | 22   | plenty of Rain     |
| 13 | c | ☉ in ♄ 3 deg    | throat   | 1     | 47   | and Thunder.       |
| 14 | d | Day 16h. 36m.   | arms     | 2     | 10   | K. Geo. II. Inaug  |
| 15 | e | ♂ with h & ♀    | and      | 2     | 38   | ♂ Apogæon.         |
| 16 | f |                 | shoulder | New   |      | Fine healthful     |
| 17 | g | St. Alban.      | breast   | 8     | A 20 | and pleasant state |
| 18 | a | ♂ with Mars.    | stomach  | 9     | 14   | K. Geo. II. Proc   |
| 19 | b | 2 Sun. af. Trin | heart    | 10    | 0    | of Air.            |
| 20 | c | Decum. Cor. ♀.  | back     | 10    | 25   | Showers of Rain,   |
| 21 | d |                 | bowels   | 10    | 44   | but of no long     |
| 22 | e |                 | belly    | 11    | 10   | continuance.       |
| 23 | f |                 | reins    | 11    | 38   | Moon's setting.    |
| 24 | g | St. John Bapt   | loins    | 12    | 9    |                    |
| 25 | a | ♀ Max. Elong.   | secrets  | 12    | 35   |                    |
| 26 | b | 3 Sun. af. Trin | and      | Morn. |      |                    |
| 27 | c |                 | bladder  | 1     | 6    | ♂ ☉ ♀. Brisk       |
| 28 | d |                 | thighs   | 1     | 38   | Winds, and some    |
| 29 | e | St. Pet. & Paul | hips     | 2     | 23   | *♂ ♀. small        |
| 30 | f | Day dec. 20m.   | knees    | 3     | 30   | Showers.           |
|    |   |                 |          |       |      | ♂ Perigæon.        |
|    |   |                 |          |       |      | Serene fine and    |
|    |   |                 |          |       |      | pleasant Wea-      |
|    |   |                 |          |       |      | ther.              |

For. Account  
Eng. Account.

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# SAUNDERS, June 1737.

Eng. Account. For. Account. Rom. Kalend. Kom. Sts. days.  
*Saturn is now hid under the Sun-beams.*  
*Jupiter rises about Midnight.*  
*Mars sets at 10 at Night.*  
*Venus now becomes Oriental and a Morning Star.*  
*Mercury sets near 10 at Night.*

|    |    |   |                |                                |    |   |    |   |    |
|----|----|---|----------------|--------------------------------|----|---|----|---|----|
| 1  | 12 | u | Angaria        |                                | 1  | 3 | 43 | 8 | 17 |
| 2  | 13 | c | Anton.         | the Zodiacal Light have        | 2  |   | 43 |   | 17 |
| 3  | 14 | d | Basil. Mag.    | a sufficient length and        | 3  |   | 43 |   | 17 |
| 4  | 15 | e | Vitus          | densify, but that the          | 4  |   | 42 |   | 18 |
| 5  | 16 | f | TrinitySun     | Earth be in or near            | 5  |   | 42 |   | 18 |
| 6  | 17 | g |                | one of its Nodes, which        | 6  |   | 42 |   | 18 |
| 7  | 18 | a | Marci.& M.     | it always is in <i>March</i>   | 7  |   | 42 |   | 18 |
| 8  | 19 | b | Gervas M.      | and <i>September</i> , and the | 8  |   | 41 |   | 19 |
| 9  | 20 | c | Corp. Christ   | cause why they usually         | 9  |   | 41 |   | 19 |
| 10 | 21 | d |                | appear in the North, is        | 10 | 3 | 41 | 8 | 19 |
| 11 | 22 | e | Paulin. B.C    | owing both to the diurnal      | 11 |   | 41 |   | 19 |
| 12 | 23 | f | 2 S. af. Pent  | and annual Motions             | 12 |   | 41 |   | 19 |
| 13 | 24 | g | S. Job. Bapt   | of the Earth: For tho'         | 13 |   | 41 |   | 19 |
| 14 | 25 | a |                | the whole Atmosphere           | 14 |   | 42 |   | 18 |
| 15 | 26 | b | Joan & Paul    | of the Earth. be in            | 15 |   | 42 |   | 18 |
| 16 | 27 | c |                | volv'd in the solar At-        | 16 |   | 42 |   | 18 |
| 17 | 28 | d | Leo P. C.      | mosphere; yet by rea-          | 17 |   | 43 |   | 17 |
| 18 | 29 | e | S. Pet. & Paul | son of the centrifugal         | 18 |   | 43 |   | 17 |
| 19 | 30 | f | 3 S. af. Pent  | Force arising from the         | 19 |   | 44 |   | 16 |
| 20 | 1  | g | July           | diurnal Motion of the          | 20 | 3 | 44 | 8 | 16 |
| 21 | 2  | a | Visit. Mar.    | Earth being greatest at        | 21 |   | 45 |   | 15 |
| 22 | 3  | b |                | the Equator, (and which        | 22 |   | 45 |   | 15 |
| 23 | 4  | c |                | gradually lessens as you       | 23 |   | 46 |   | 14 |
| 24 | 5  | d | Anselm         | approach the Poles,            | 24 |   | 46 |   | 14 |
| 25 | 6  | e | Tranquil.      | where it quite va-             | 25 |   | 47 |   | 13 |
| 26 | 7  | f | 4 S. af. Pent  | nishes) the Zodiacal           | 26 |   | 48 |   | 12 |
| 27 | 8  | g |                | Matter is thrown off           | 27 |   | 49 |   | 11 |
| 28 | 9  | a | Cyrillus       | from the Equator to-           | 28 |   | 50 |   | 10 |
| 29 | 10 | b | 7 Fratr. M.    | wards the Poles, so            | 29 |   | 51 |   | 9  |
| 30 | 11 | c | Pius P. M.     | B 2 that                       | 30 | 3 | 52 | 8 | 8  |



# July hath XXXI Days.

- Full Moon the 1st day, at 2 in the Morn.
- ☾ Last quarter the 8th day, at 9 at Night.
- New Moon the 16th day, at 3 Afternoon.
- ☾ First quarter the 23d day, at Noon.
- Full Moon the 30th day, at 2 Afternoon.

|    |   |                  |          |        |                 |                    |
|----|---|------------------|----------|--------|-----------------|--------------------|
| 1  | g | h 20 II.         | hams     | 8 A 30 | Moon's rising.  | Showers of Rain    |
| 2  | a | Visit. V. Mary   | legs     | 9 4    |                 | attended with      |
| 3  | B | 4 Sun. af. Trin. | ankles   | 9 32   |                 | Thunder and        |
| 4  | c | 4 23 * Ry.       | feet     | 10 3   |                 | ☿ ☽ 4. Light-      |
| 5  | d | Dies Comitor     | and      | 10 28  |                 | ning.              |
| 6  |   | ☽ with Jupiter   | toes     | 10 46  |                 | * h ♂. Close       |
| 7  | f | Tho. à Becket    | head     | 11 0   |                 | sultry Air.        |
| 8  | g | ♂ 22 ♀.          | face     | 11 22  |                 | ☽ Apogæon.         |
| 9  | a | ♀ 18 II.         | neck     | 11 41  |                 |                    |
| 10 | B | 5 Sun. af. Trin. | and      | 11 58  |                 | Misty Mornings,    |
| 11 | c | ♀ Max. Elong.    | throat   | Morn.  | Moon's setting. | but generally      |
| 12 | d | ☽ with Aldeb.    | arms     | 0 27   |                 | dry, and inclin'd  |
| 13 | e | ☽ with Saturn    | shoulder | 1 0    |                 | to heat.           |
| 14 | f | ☿ in ♍ 2 dec.    | breast   | 1 55   |                 | Serene Sky.        |
| 15 | g | St. Swithin      | stomach  | 2 50   |                 |                    |
| 16 | a | ♀ 15 ♄.          | heart    | New ●  |                 | ♂ h ♀. Thun-       |
| 17 | B | 6 Sun. af. Trin. | back     | 8 A 23 |                 | ☐ 4 ♀. der, with   |
| 18 | c | ☽ with Mars      | bowels   | 8 44   |                 | storms of Rain or  |
| 19 | d | Dog Days beg.    | and      | 9 10   |                 | Hail.              |
| 20 | e | Margaret         | belly    | 9 41   | Moon's rising.  | Overcast.          |
| 21 | f | ☽ cum Spica      | reins    | 10 3   |                 | ☿ 4 ♀. ☐ h 4.      |
| 22 | g | Mary Magd.       | loins    | 10 30  |                 | ☽ Perigæon         |
| 23 | a |                  | secrets  | 11 0   |                 | Drizzling Wea-     |
| 24 | B | 7 Sun. af. Trin. | bladder  | 11 35  |                 | ther.              |
| 25 | c | St. James        | thighs   | 12 07  |                 | Curious fine se-   |
| 26 | d | St. Anne         | hips     | Morn.  |                 | rene and delight-  |
| 27 | e |                  | knees    | 1 10   |                 | ful state of Air   |
| 28 | f |                  | hams     | 2 0    |                 | till the thirtieth |
| 29 | g | Day 14h. 48m.    | legs     | 2 58   |                 | Day, then ex-      |
| 30 | a | decr. 1h. 40m.   | and      | Full ● | rif.            | pect Rain to the   |
| 31 | B | 8 Sun. af. Trin. | ankles   | 8 A 7  |                 | End.               |

For Account.  
Eng. Account.

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# SAUNDERS, July 1737.

| Eng. Account. | Rom. Calend. | Rom. Scts. days | For. Account. | Saturn rises at 1 in the Morning. | Jupiter South at 3 Morn. rises 10 at Night. | Mars sets at 9 at Night. | Bright Venus rises at Midnight. | Mercury rises about 3 in the Morning. |
|---------------|--------------|-----------------|---------------|-----------------------------------|---------------------------------------------|--------------------------|---------------------------------|---------------------------------------|
| 1 12          | d            | Nabor.          |               |                                   |                                             |                          |                                 | 1 3 53 8 7                            |
| 2 13          | e            | Margar.         |               | that these Lights are             | 2 54                                        |                          |                                 | 6                                     |
| 3 14          | f            | 5 S. af. Pent.  |               | never seen to arise from          | 3 55                                        |                          |                                 | 5                                     |
| 4 15          | g            | Divis Apost.    |               | the South: And to this            | 4 56                                        |                          |                                 | 4                                     |
| 5 16          | a            |                 |               | their polar Scituation            | 5 58                                        |                          |                                 | 2                                     |
| 6 17          | b            | Alexius C.      |               | the Earth's annual Mo-            | 6 59 8                                      |                          |                                 | 1                                     |
| 7 18          | c            | Symphorof.      |               | tion does also contri-            | 7 4 08                                      |                          |                                 | 0                                     |
| 8 19          | d            |                 |               | bute; for while the               | 8 17                                        |                          |                                 | 59                                    |
| 9 20          | e            | Margaret        |               | Earth is moving from              | 9 3                                         |                          |                                 | 57                                    |
| 10 21         | f            | 6 S. af. Pent.  |               | South to North, it goes           | 10 4                                        |                          |                                 | 56                                    |
| 11 22         | g            | Mar. Magd.      |               | with the North Pole               | 11 6                                        |                          |                                 | 54                                    |
| 12 23         | a            | Apol. B. M.     |               | foremost, and the other           | 12 7                                        |                          |                                 | 53                                    |
| 13 24         | b            |                 |               | half Year with its South          | 13 8                                        |                          |                                 | 52                                    |
| 14 25         | c            | St. James       |               | Pole foremost, by which           | 14 9                                        |                          |                                 | 50                                    |
| 15 26         | d            | S. Anne         |               | it collects or heaps up           | 15 11                                       |                          |                                 | 49                                    |
| 16 27         | e            | Pantaleon.      |               | more of this Zodiacal             | 16 4 12 7                                   |                          |                                 | 48                                    |
| 17 28         | f            | 7 S. af. Pent.  |               | Matter on the polar Re-           | 17 14                                       |                          |                                 | 46                                    |
| 18 29         | g            | Martha          |               | gions, than on the E-             | 18 16                                       |                          |                                 | 44                                    |
| 19 30         | a            | Abd. & Sen.     |               | quatorial: and no doubt           | 19 17                                       |                          |                                 | 43                                    |
| 20 31         | b            | Ignat. Conf.    |               | but an Aurora Australis           | 20 18                                       |                          |                                 | 42                                    |
| 21 1          | c            | August          |               | may be seen at proper             | 21 20                                       |                          |                                 | 40                                    |
| 22 2          | d            | Steph. P. M.    |               | times in the Southern             | 22 21                                       |                          |                                 | 39                                    |
| 23 3          | e            |                 |               | temperate Zone, just as           | 23 4 23 7                                   |                          |                                 | 37                                    |
| 24 4          | f            | 8 S. af. Pent.  |               | an Aurora Borealis is in          | 24 25                                       |                          |                                 | 35                                    |
| 25 5          | g            | Ded. Mar        |               | our Northern temperate            | 25 27                                       |                          |                                 | 33                                    |
| 26 6          | a            | Trans. Dom.     |               | Zone.                             | 26 29                                       |                          |                                 | 31                                    |
| 27 7          | b            | Cajetan. C.     |               |                                   | 27 31                                       |                          |                                 | 29                                    |
| 28 8          | c            | Cyr. & Soc.     |               |                                   | 28 33                                       |                          |                                 | 27                                    |
| 29 9          | d            |                 |               | B 3 As                            | 29 35                                       |                          |                                 | 25                                    |
| 30 10         | e            | Laurent.        |               |                                   | 30 36                                       |                          |                                 | 24                                    |
| 31 11         | f            | 9 S. af. Pent.  |               |                                   | 31 4 3 7                                    |                          |                                 | 23                                    |

# August hath XXXI Days.

- ☾ Last quarter the 7th day, at 2 Afternoon.
- New Moon the 15th day, at 1 in the Morn.
- ☽ First quarter the 21st day, at 6 in the Even.
- Full Moon the 29th day, at 4 in the Morn.

|    |   |                     |          |        |      |                    |
|----|---|---------------------|----------|--------|------|--------------------|
| 1  | C | Lammas Day          | feet     | 8      | A 26 | Very pleasant      |
| 2  | D | ☽ with Jupiter      | toes     | 8      | 43   | and good Harvest   |
| 3  | E | ☿ 24 ♀.             | head     | 9      | 7    | Weather.           |
| 4  | F | ♂ 21 ♀. R.          | face     | 9      | 29   | ☽ Apogæon.         |
| 5  | G | ♂ 10 ♀.             | neck     | 10     | 50   | * ☉ ♀. Brisk       |
| 6  | A | Transfigurat.       | and      | 10     | 13   | * ♀ ♀. Winds.      |
| 7  | B | ☽ 9 Sun. af. Trin.  | throat   | 10     | 39   | ☉ ☉ ♀. Sultry,     |
| 8  | C |                     | arms     | 11     | 10   | lofty Winds, and   |
| 9  | D | ☽ with Saturn       | shoulder | 11     | 46   | a curious state of |
| 10 | E | Laurence            | breast   | 12     | 23   | Air, serene and    |
| 11 | F | ☽ with Venus        | and      | Morn.  |      | pleasant.          |
| 12 | G | ☉ in Virgo          | stomach  | 1      | 28   | * ♂ ♀.             |
| 13 | A |                     | heart    | 2      | 40   |                    |
| 14 | B | ☽ 10 Sun. af. Trin. | back     | New ●  |      | Wind, and some     |
| 15 | C | Assumption          | bowels   | 7      | A 24 | Showers of Rain,   |
| 16 | D | ☽ with Mars         | belly    | 7      | 55   | but soon clears    |
| 17 | E | ♀ 19 ☿.             | reins    | 8      | 26   | △ ♀ ♀. up.         |
| 18 | F | ♀ 16 ♀.             | loins    | 8      | 50   | ☽ Perigæon.        |
| 19 | G |                     | secrets  | 9      | 21   | Much stormy and    |
| 20 | A |                     | bladder  | 10     | 18   | ♂ ♀ ♀. unsettled   |
| 21 | B | ☽ 11 Sun. af. Trin. | thighs   | 11     | 0    | ☉ ♂ ♀. Weather     |
| 22 | C | Day 13h. 24m.       | hips     | 11     | 54   | from about the     |
| 23 | D | decr. 3h. 13m.      | knees    | Morn.  |      | ☐ ♀ ♀. 20th        |
| 24 | E | St. Bartholom       | and      | 0      | 48   | * ♀ ♀. Day, to     |
| 25 | F |                     | hams     | 1      | 49   | the End of the     |
| 26 | G |                     | legs     | 2      | 53   | Month, to the      |
| 27 | A | Dog Days end        | ankles   | 3      | 57   | prejudice of the   |
| 28 | B | ☽ 12 Sun. af. Trin. | feet     | Full ● |      | ☐ ♀ ♀. Harvest     |
| 29 | C | Decol. J. B.        | toes     | 6      | A 56 | by Wind and        |
| 30 | D |                     | head     | 7      | 18   | ☉ ☉ ♀. Rain.       |
| 31 | E |                     | face     | 7      | 39   | ☽ Apogæon.         |

Moon's rising.

Moon's setting.

Tides.

For Account.  
Eng. Account.

112  
213  
314  
415  
516  
617  
718  
819  
920  
1021  
1122  
1223  
1324  
1425  
1526  
1627  
1728  
1829  
1930  
2031  
21  
22  
23  
24  
25  
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27  
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31

# SAUNDERS, August 1737.

| Eng. Account. | For. Account. | Rom. Calend. | Rom. Sta. days |                                            |    |    |    |   |    |
|---------------|---------------|--------------|----------------|--------------------------------------------|----|----|----|---|----|
|               |               |              |                | Saturn rises at 11 at Night.               |    |    |    |   |    |
|               |               |              |                | Jupiter South at 1 Morn. rises 8 at Night. |    |    |    |   |    |
|               |               |              |                | Mars sets at 7 at Night.                   |    |    |    |   |    |
|               |               |              |                | Venus rises at 1 in the Morning.           |    |    |    |   |    |
|               |               |              |                | Mercury is hid under the Sun-beams.        |    |    |    |   |    |
| 1             | 12            | B            | Clara. Dup.    |                                            | 1  | 14 | 38 | 7 | 22 |
| 2             | 13            | a            | SS. Hippol.    | As to the Height of                        | 2  | 40 |    |   | 20 |
| 3             | 14            | b            |                | these Northern Lights;                     | 3  | 41 |    |   | 19 |
| 4             | 15            | c            | Aff. Mariz     | M. de Marian places                        | 4  | 43 |    |   | 17 |
| 5             | 16            | d            | Hyac. C. D.    | them much higher than                      | 5  | 45 |    |   | 15 |
| 6             | 17            | e            |                | our Atmosphere hath                        | 6  | 47 |    |   | 13 |
| 7             | 18            | f            | 10 Saf. Pent.  | usually been reckoned                      | 7  | 49 |    |   | 11 |
| 8             | 19            | g            |                | to be; some he makes                       | 8  | 51 |    |   | 9  |
| 9             | 20            | a            | Bernard        | to be a hundred Leagues                    | 9  | 4  | 53 | 7 | 7  |
| 10            | 21            | b            | Athanasius     | high, others three hun                     | 10 | 55 |    |   | 5  |
| 11            | 22            | c            | Ti. Hip. &c.   | dred, and the far greater                  | 11 | 56 |    |   | 4  |
| 12            | 23            | d            |                | number of them about                       | 12 | 4  | 58 | 7 | 2  |
| 13            | 24            | e            | 5. Barthol.    | two hundred Leagues                        | 13 | 5  | 0  | 7 | 0  |
| 14            | 25            | f            | 11 Saf. Pent.  | above the Surface of                       | 14 | 5  | 2  | 6 | 58 |
| 15            | 26            | g            | Zeph. P. M.    | our Earth.                                 | 15 | 3  |    |   | 57 |
| 16            | 27            | a            |                |                                            | 16 | 5  |    |   | 55 |
| 17            | 28            | b            | August. Dup.   | Why these Lumina                           | 17 | 7  |    |   | 53 |
| 18            | 29            | c            | Decol. Joh.    | Borealia appear with                       | 18 | 2  |    |   | 51 |
| 19            | 30            | d            | Fel & A. M.    | dusky circular Basis,                      | 19 | 11 |    |   | 49 |
| 20            | 31            | e            | Raym. non.     | furmoured sometimes                        | 20 | 13 |    |   | 47 |
| 21            |               | f            | 12 Saf. Pent.  | with one or more lu-                       | 21 | 16 |    |   | 44 |
| 22            | 2             | g            |                | minous Arcs, from be-                      | 22 | 16 |    |   | 42 |
| 23            | 3             | a            |                | hind which Columns of                      | 23 | 20 |    |   | 40 |
| 24            | 4             | b            | Theodosia      | Light seem to issue out,                   | 24 | 22 |    |   | 38 |
| 25            | 5             | c            | Moses.         | is, because that dark cir-                 | 25 | 5  | 25 |   | 36 |
| 26            | 6             | d            |                | cular Segment near the                     | 26 | 26 |    |   | 34 |
| 27            | 7             | e            |                | Horizon is formed out                      | 27 | 28 |    |   | 32 |
| 28            | 8             | f            | 13 Saf. Pent.  | of the densest and spe-                    | 28 | 30 |    |   | 30 |
| 29            | 9             | g            | Gorgon M.      | B 4 cifically                              | 29 | 32 |    |   | 28 |
| 30            | 10            | a            | Nicol. Tol.    |                                            | 30 | 34 | 6  |   | 26 |
| 31            | 11            | b            | Proti. Hyac.   |                                            | 31 | 5  | 36 |   | 24 |



# September hath XXX Days.

- ☾ Last quarter the 6th day, at 7 in the Morn.
- New Moon the 13th day, at 9 in the Morn.
- ☾ First quarter the 20th day, at 3 in the Morn.
- Full Moon the 27th day, at 8 at Night

|    |   |                  |          |        |                 |                                                                                                                                                                                              |
|----|---|------------------|----------|--------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | f | h 26 II.         | face     | 7 A 58 | Moon's rising.  | The Weather<br>now clears up<br>again, and will<br>continue for the<br>most part fair<br>and clear till<br>☐☉h. about<br>the New Moon,<br>except some small<br>Showers about<br>the 7th Day. |
| 2  | g | London burnt     | neck     | 8 22   |                 |                                                                                                                                                                                              |
| 3  | a | 4 18 X R         | throat   | 8 43   |                 |                                                                                                                                                                                              |
| 4  | b | 13 Sun. af. Trin | arms     | 9 15   |                 |                                                                                                                                                                                              |
| 5  | c | ☽ with Saturn    | and      | 9 47   |                 |                                                                                                                                                                                              |
| 6  | d | ♂ 1 ♀            | shoulder | 10 34  |                 |                                                                                                                                                                                              |
| 7  | e | ♀ 11 ♀           | breast   | 11 25  |                 |                                                                                                                                                                                              |
| 8  | f | Nat. Virg. M.    | stomach  | 12 23  |                 |                                                                                                                                                                                              |
| 9  | g | ☽ with Venus     | heart    | Morn.  |                 |                                                                                                                                                                                              |
| 10 | a | 10 d. at 4 morn  | back     | 1 29   |                 |                                                                                                                                                                                              |
| 11 | b | 14 Sun. af. Trin | bowels   | 2 53   | Moon's setting. | Δ h ♀.<br>☽ Perigæon.<br>Dark drifling<br>Weather, and<br>frequent Show-<br>ers of Rain.                                                                                                     |
| 12 | c | Equal D. & N.    | belly    | 4 22   |                 |                                                                                                                                                                                              |
| 13 | d | ☽ with Mars      | reins    | New 6  |                 |                                                                                                                                                                                              |
| 14 | e | Holy Rood        | loins    | 6 A 47 |                 |                                                                                                                                                                                              |
| 15 | f | ☉ in ♈ 3 deg     | secrets  | 7 21   |                 |                                                                                                                                                                                              |
| 16 | g | ♀ 92 ♀           | bladder  | 7 50   |                 |                                                                                                                                                                                              |
| 17 | a |                  | thighs   | 8 25   |                 |                                                                                                                                                                                              |
| 18 | b | 15 Sun. af. Trin | hips     | 9 6    |                 |                                                                                                                                                                                              |
| 19 | c |                  | knees    | 10 0   |                 |                                                                                                                                                                                              |
| 20 | d | ♀ Max Elong.     | and      | 10 59  |                 |                                                                                                                                                                                              |
| 21 | e | St. Matthew      | hams     | 12 0   | Moon's rising.  | * h ♀. Good<br>seasonable Wea-<br>ther, inclin'd to<br>heat.<br>☉☽.<br>☽ cum 4.7 mor.<br>Mild soaking<br>Rains.<br>☽ Apogæon.<br>Windy, and drif-<br>ling Rains.                             |
| 22 | f | Day 11h. 15m.    | legs     | Morn.  |                 |                                                                                                                                                                                              |
| 23 | g | decr. 5h. 10m.   | ankles   | 1 16   |                 |                                                                                                                                                                                              |
| 24 | a | ☽ with Jupiter   | feet     | 2 21   |                 |                                                                                                                                                                                              |
| 25 | b | 16 Sun. af. Trin | and      | 3 30   |                 |                                                                                                                                                                                              |
| 26 | c | S. Cyprian.      | toes     | 4 34   |                 |                                                                                                                                                                                              |
| 27 | d |                  | head     | Full 6 |                 |                                                                                                                                                                                              |
| 28 | e |                  | face     | 6 A 3  |                 |                                                                                                                                                                                              |
| 29 | f | St. Michael      | neck     | 6 33   |                 |                                                                                                                                                                                              |
| 30 | g |                  | throat   | 6 56   |                 |                                                                                                                                                                                              |

S  
Rom. Account.  
For. Account.  
Eng. Account.

|    |    |
|----|----|
| 1  | 12 |
| 2  | 13 |
| 3  | 14 |
| 4  | 15 |
| 5  | 16 |
| 6  | 17 |
| 7  | 18 |
| 8  | 19 |
| 9  | 20 |
| 10 | 21 |
| 11 | 22 |
| 12 | 23 |
| 13 | 24 |
| 14 | 25 |
| 15 | 26 |
| 16 | 27 |
| 17 | 28 |
| 18 | 29 |
| 19 | 30 |
| 20 | 1  |
| 21 | 2  |
| 22 | 3  |
| 23 | 4  |
| 24 | 5  |
| 25 | 6  |
| 26 | 7  |
| 27 | 8  |
| 28 | 9  |
| 29 | 10 |
| 30 | 11 |



# SAUNDERS, September 1737.

Eng. Account. For. Account. Rom. Kalend. Rom. Sts. days.  
 Saturn rises 9 at Night. South 5 Morn.  
 Jupiter rises at ☉ set. South at Midnight.  
 Mars sets soon after the Sun.  
 Bright Venus rises at 2 in the Morn.  
 Mercury sets at 7 at Night.

|    |    |   |                |                          |    |   |    |   |    |
|----|----|---|----------------|--------------------------|----|---|----|---|----|
| 1  | 12 | c | Tobias         |                          | 1  | 5 | 38 | 6 | 22 |
| 2  | 13 | d |                | cifically heaviest parts | 2  |   | 40 |   | 20 |
| 3  | 14 | e | Exalt. +       | of the Zodiacal Mat-     | 3  |   | 42 |   | 18 |
| 4  | 15 | f | 14 S.af. Pent  | ter, which in their      | 4  |   | 44 |   | 16 |
| 5  | 16 | g | Cornelius      | Descent must sink deep-  | 5  |   | 46 |   | 14 |
| 6  | 17 | a | Imp. fig. &c.  | est into the Earth's At- | 6  |   | 48 |   | 12 |
| 7  | 18 | b | Angaria        | mosphere, and are least  | 7  |   | 50 |   | 10 |
| 8  | 19 | c | Jan. E. & So.  | inflammable in their Na- | 8  |   | 52 | 6 | 8  |
| 9  | 20 | d | Eust. & Soc.   | ture, while the rare     | 9  |   | 54 |   | 6  |
| 10 | 21 | e | S. Matthew     | and lighter parts are    | 10 |   | 56 |   | 4  |
| 11 | 22 | f | 15 S.af. Pent  | more inflammable and lu- | 11 | 5 | 58 | 6 | 2  |
| 12 | 23 | g | Linus          | minous,                  | 12 | 6 | 0  | 6 | 0  |
| 13 | 24 | a |                |                          | 13 | 6 | 2  | 5 | 58 |
| 14 | 25 | b |                | The Breaks that are      | 14 |   | 4  |   | 56 |
| 15 | 26 | c | Cyprian        | sometimes visible in     | 15 |   | 6  |   | 54 |
| 16 | 27 | d | Cos. & Dam.    | these Arcs are occa-     | 16 |   | 8  |   | 52 |
| 17 | 28 | e |                | sion'd by the Descent    | 17 |   | 10 |   | 50 |
| 18 | 29 | f | 16 S.af. Pent  | and Passage of several   | 18 |   | 12 |   | 48 |
| 19 | 30 | g | Hieron.        | discontinued Trains and  | 19 |   | 14 |   | 46 |
| 20 | 1  | a | October        | Flakes of the denser     | 20 | 6 | 16 | 5 | 44 |
| 21 | 2  | b | Angel Guar.    | and least inflammable    | 21 |   | 19 |   | 41 |
| 22 | 3  | c |                | Parts of the Zodiacal    | 22 |   | 21 |   | 39 |
| 23 | 4  | d | Francis M.     | Matter between the       | 23 |   | 23 |   | 37 |
| 24 | 5  | e | Placid. & S.   | Speciator and the lumi-  | 24 |   | 25 |   | 35 |
| 25 | 6  | f | 17 S.af. Pent. | nous Arc.                | 25 |   | 27 |   | 33 |
| 26 | 7  | g | Marc Pap.      |                          | 26 |   | 29 |   | 31 |
| 27 | 8  | a | Brigit. Wid    | This Zodiacal Light      | 27 |   | 31 |   | 29 |
| 28 | 9  | b | Dionyt.        | or Solar Atmosphere M.   | 28 |   | 33 |   | 27 |
| 29 | 10 | c |                | de Mairan takes to be    | 29 |   | 35 |   | 25 |
| 30 | 11 | d | Gideon         | either                   | 30 | 6 | 37 | 5 | 23 |

# October hath XXXI Days.

- ( Last quarter the 5th day, at 10 at Night.
- New Moon the 12th day, at 7 at Night.
- D First quarter the 19th day, at Noon.
- Full Moon the 27th day, at 2 in the Morn.

|    |   |                           |          |        |      |                  |
|----|---|---------------------------|----------|--------|------|------------------|
| 1  | a | Remigius                  | arms     | 7      | A22  | Fair, clear and  |
| 2  | b | 17 Sun. af. Trin.         | and      | 7      | 55   | pleasant Wea-    |
| 3  | c | D with Aldéb.             | shoulder | 8      | 36   | * ♀ ♀. ther.     |
| 4  | d | 2 d. at 2 morn.           | breast   | 9      | 19   | Moon's rising.   |
| 5  | e |                           | stomach  | 10     | 12   |                  |
| 6  | f | h 26 II.                  | heart    | 11     | 21   |                  |
| 7  | g | 4 14 * R.                 | and      | 12     | 35   |                  |
| 8  | a | ♂ 21 ±.                   | back     | Morn.  |      |                  |
| 9  | b | 18 Sun. af. Trin.         | bowels   | 1      | 51   | ♂ ♀ ♀. Dark      |
| 10 | c | D with Venus              | belly    | 3      | 12   | cloudy Weather.  |
| 11 | d | R. Geo. II. Cro.          | reins    | 4      | 45   | with some Rain.  |
| 12 | e | D with Mars               | loins    | New ●  |      | Δ ⊙ h.           |
| 13 | f | ⊙ in 7 <sup>th</sup> deg. | secrets  | 5      | A 55 | Moon's setting.  |
| 14 | g | ♀ 26 II.                  | bladder  | 6      | 25   |                  |
| 15 | a | ♀ 2 <sup>nd</sup> R.      | thighs   | 7      | 4    |                  |
| 16 | b | 19 Sun. af. Trin.         | hips     | 8      | 0    |                  |
| 17 | c |                           | knees    | 8      | 53   |                  |
| 18 | d | St. Luke                  | hams     | 9      | 57   | Cold frosty Air, |
| 19 | e | Day 9h. 30m.              | legs     | 11     | 10   | Wind and Rain.   |
| 20 | f | decr. 6h. 54m             | ankles   | 12     | 15   | Perigæon.        |
| 21 | g | Ursula                    | feet     | Morn.  |      | Storms of Wind   |
| 22 | a | Prs. Orange bi.           | and      | 1      | 16   | Δ h ♂. and Rain. |
| 23 | b | 20 Sun. af. Trin.         | toes     | 2      | 18   | □ h ♀. ♂ ⊙ ♀.    |
| 24 | c | Term begins               | head     | 3      | 20   | blustering, and  |
| 25 | d | Crispin                   | face     | 4      | 24   | cold winterly    |
| 26 | e |                           | neck     | 5      | 31   | Weather.         |
| 27 | f |                           | and      | Full ● |      | Moon's rising.   |
| 28 | g | S. Sim. & Jude            | throat   | 5      | 24   |                  |
| 29 | a |                           | arms     | 9      | 55   |                  |
| 30 | b | K. Geo. II. bor.          | shoulder | 6      | 32   |                  |
| 31 | c | ♀ Max. Elong.             | breast   | 7      | 13   |                  |

# SAUNDERS, October 1737.

Engr. Account    For. Account    Rom. Calend.    Rom. Srs. days.    Saturn rises at 8 at Night, and is South at 4 in the Morning.  
 Jupiter is South at 9 at Night, and sets at 3 in the Morning.  
 Mars is hid under the Sun-beams.  
 Venus rises at 3 in the Morning.

|    |    |      |                |                           |    |    |    |    |    |
|----|----|------|----------------|---------------------------|----|----|----|----|----|
| 1  | 12 | e    |                |                           |    | 16 | 39 | 5  | 21 |
| 2  | 13 | f    | 18 S. of Pent. | either Emanations pro     | 2  | 41 |    | 19 |    |
| 3  | 14 | g    | Callistus      | ceeding from the Body     | 3  | 43 |    | 17 |    |
| 4  | 15 | a    | Teresa V.D.    | of the Sun, a Species of  | 4  | 45 |    | 15 |    |
| 5  | 16 | b    |                | Efferescence, or an A-    | 5  | 47 |    | 13 |    |
| 6  | 17 | c    |                | imals of heterogeneous    | 6  | 49 |    | 11 |    |
| 7  | 18 | d    | Lucas Ev.      | Parts diffused in the     | 7  | 51 |    | 9  |    |
| 8  | 19 | e    | Pet. of Alc.   | Æther, that meeting       | 8  | 53 |    | 7  |    |
| 9  | 20 | f    | 19 S. of Pent. | from all Parts, tend      | 9  | 55 |    | 5  |    |
| 10 | 21 | g    | Ursula         | towards the Sun; but      | 10 | 57 |    | 3  |    |
| 11 | 22 | a    |                | which of these it is,     | 11 | 6  | 59 | 5  | 1  |
| 12 | 23 | b    |                | he does not determine;    | 12 | 7  | 1  | 4  | 59 |
| 13 | 24 | c    | Salome.        | it's enough that it is of | 13 | 3  |    | 57 |    |
| 14 | 25 | d    | Chr. & Dar.    | a luminous Nature,        | 14 | 5  |    | 55 |    |
| 15 | 26 | e    | Evar. P. M.    | whether it be so of it    | 15 | 7  |    | 53 |    |
| 16 | 27 | f    | 20 S. of Pent. | self, or whether strong-  | 16 | 9  |    | 51 |    |
| 17 | 28 | g    | Sim. & Jude    | ly illuminated by the     | 17 | 11 |    | 49 |    |
| 18 | 29 | a    |                | Rays of the Sun, whose    | 18 | 13 |    | 47 |    |
| 19 | 30 | b    |                | Body it environs.         | 19 | 15 |    | 45 |    |
| 20 | 31 | c    |                |                           | 20 | 17 | 4  | 43 |    |
| 21 |    | Nov. | All Saints     | If in a Line, connec-     | 21 | 19 |    | 41 |    |
| 22 | 2  |      | All Souls      | ting the Sun and Earth,   | 22 | 20 |    | 40 |    |
| 23 | 3  | f    | 21 S. of Pent. | a Point be taken at the   | 23 | 22 |    | 38 |    |
| 24 | 4  | g    | Char. Bor.     | Distance of forty-three   | 24 | 24 |    | 36 |    |
| 25 | 5  | a    |                | Semi-diameters of the     | 25 | 26 |    | 34 |    |
| 26 | 6  | b    | Lenord         | Earth from her Center,    | 26 | 28 |    | 32 |    |
| 27 | 7  | c    | Florentius     | that Point will be the    | 27 | 30 |    | 30 |    |
| 28 | 8  | d    | 4 Coron. M.    | Locus or Limit of the     | 28 | 32 |    | 28 |    |
| 29 | 9  | e    | Ded. Bas. S.   | attractive Forces of the  | 29 | 34 |    | 26 |    |
| 30 | 10 | f    | 22 S. of Pent. | Sun                       | 30 | 7  | 35 | 4  | 25 |
| 31 | 11 | g    | Martinus       |                           | 31 | 37 |    | 23 |    |

# November hath XXX Days.

- ☾ Last quarter the 4th day, at Noon.
- New Moon the 11th day, at 5 in the Morn.
- ☾ First quarter the 18th day, at 4 in the Morn.
- Full Moon the 26th day, at 10 in the Morn.

|    |   |                   |          |        |                 |                                                                                                  |
|----|---|-------------------|----------|--------|-----------------|--------------------------------------------------------------------------------------------------|
| 1  | d | All Saints        | breast   | S A 8  | Moon's rising.  | Fair, cold and frosty Weather at the beginning of this Month.                                    |
| 2  | e | All Souls         | stomach  | 9 7    |                 |                                                                                                  |
| 3  | f | h 25 II.          | heart    | 10 14  |                 |                                                                                                  |
| 4  | g | 4 13 X.           | back     | 11 28  |                 |                                                                                                  |
| 5  | a | Gunpowd Plot      | bowels   | 12 45  |                 |                                                                                                  |
| 6  | b | 22 Sun. af. Trin. | belly    | Morn.  | Moon's setting. | Driving Winds, Δ h ♀. with Δ 4 ♂. Snow or Δ 4 ♀. Perig. ♂ ♀ ♀. Rain, and right winterly Weather. |
| 7  | c |                   | reins    | 2 3    |                 |                                                                                                  |
| 8  | d | ☾ with Venus      | loins    | 3 28   |                 |                                                                                                  |
| 9  | e | ☾ with Mars       | secrets  | 4 55   |                 |                                                                                                  |
| 10 | f |                   | bladder  | New ●  |                 |                                                                                                  |
| 11 | g | S. Martin B.      | thighs   | 4 45   | Moon's rising.  | Now more calm and moderate.                                                                      |
| 12 | a | ☉ in 2 1 deg.     | hips     | 5 40   |                 |                                                                                                  |
| 13 | b | 23 Sun. af. Trin. | knees    | 6 36   |                 |                                                                                                  |
| 14 | c |                   | hams     | 7 42   |                 |                                                                                                  |
| 15 | d | ♂ 18 III.         | legs     | 8 50   |                 |                                                                                                  |
| 16 | e | ♀ 3 III.          | ankles   | 9 56   | Moon's setting. | Indifferent good and pleasant Weather.                                                           |
| 17 | f | ♀ 23 III.         | feet     | 11 2   |                 |                                                                                                  |
| 18 | g | Prs. Wales born   | toes     | 11 18  |                 |                                                                                                  |
| 19 | a | ☾ with Jupiter    | head     | Morn.  |                 |                                                                                                  |
| 20 | b | 24 Sun. af. Trin. | and      | 1 20   |                 |                                                                                                  |
| 21 | c |                   | face     | 2 23   | Moon's rising.  | Dull cloudy Sky pregnant with ☐ 4 ♀. Apog. ☐ ☉ 4. Rain or much Snow.                             |
| 22 | d | Cecilia           | neck     | 3 24   |                 |                                                                                                  |
| 23 | e | Clement           | throat   | 4 26   |                 |                                                                                                  |
| 24 | f |                   | arms     | 5 27   |                 |                                                                                                  |
| 25 | g | Catharine         | and      | 6 30   |                 |                                                                                                  |
| 26 | a | ☾ with Saturn     | shoulder | Full ● | Moon's setting. | Snow or cold Rain still continues.                                                               |
| 27 | b | Advent. Sund.     | breast   | 5 A 8  |                 |                                                                                                  |
| 28 | c | Term ends         | stomach  | 6 2    |                 |                                                                                                  |
| 29 | d | Day dec. S. 45.   | heart    | 7 5    |                 |                                                                                                  |
| 30 | e | St. Andrew        | back     | 8 9    |                 |                                                                                                  |

|               |               |               |
|---------------|---------------|---------------|
| Eng. Account. | For. Account. | Mon. Account. |
| 1             | 2             | 3             |
| 2             | 13            | 4             |
| 3             | 14            | 5             |
| 4             | 15            | 6             |
| 5             | 16            | 7             |
| 6             | 17            | 8             |
| 7             | 18            | 9             |
| 8             | 19            | 10            |
| 9             | 20            | 11            |
| 10            | 21            | 12            |
| 11            | 22            | 13            |
| 12            | 23            | 14            |
| 13            | 24            | 15            |
| 14            | 25            | 16            |
| 15            | 26            | 17            |
| 16            | 27            | 18            |
| 17            | 28            | 19            |
| 18            | 29            | 20            |
| 19            | 30            | 21            |
| 20            | Dec           | 22            |
| 21            | 2             | 23            |
| 22            | 3             | 24            |
| 23            | 4             | 25            |
| 24            | 5             | 26            |
| 25            | 6             | 27            |
| 26            | 7             | 28            |
| 27            | 8             | 29            |
| 28            | 9             | 30            |
| 29            | 10            |               |
| 30            | 11            |               |

SAUNDERS, November 1737

|               |                                                                     |
|---------------|---------------------------------------------------------------------|
| Rom Srs. days | Saturn rises at 7 in the Evening, and is South at 2 in the Morning. |
| Rom. Calend   | Jupiter is South at 7 at Night, and sets about 1 in the Morning.    |
| Hor. Account  | Mars rises at 6 in the Morning.                                     |
| Eng. Account  | Venus rises at 5 in the Morning.                                    |

|    |    |   |                 |    |    |    |      |
|----|----|---|-----------------|----|----|----|------|
| 1  | 12 | a | Martin P. M.    | 17 | 39 | 4  | 21   |
| 2  | 13 | b | Didacus C.      | 27 | 41 |    | 19   |
| 3  | 14 | c | Fredericus      | 3  | 43 |    | 17   |
| 4  | 15 | d | Leopold         | 4  | 45 |    | 15   |
| 5  | 16 | e |                 | 5  | 46 |    | 14   |
| 6  | 17 | f | 23 Saf. Pent.   | 6  | 48 |    | 12   |
| 7  | 18 | g | D. Bas. P. & P. | 7  | 49 |    | 11   |
| 8  | 19 | a | Elizabeth       | 8  | 51 |    | 9    |
| 9  | 20 | b |                 | 9  | 52 |    | 8    |
| 10 | 21 | c | Oblatio Mar.    | 10 | 7  | 54 | 4 6  |
| 11 | 22 | d | Cæcilia         | 11 | 55 |    | 5    |
| 12 | 23 | e | Clement.        | 12 | 57 |    | 3    |
| 13 | 24 | f | 24 Saf. Pent.   | 13 | 58 |    | 2    |
| 14 | 25 | g | Catharine       | 14 | 8  | 0  | 4 0  |
| 15 | 26 | a | Pet. Al. B.M.   | 15 | 8  | 1  | 3 59 |
| 16 | 27 | b |                 | 16 | 2  |    | 58   |
| 17 | 28 | c |                 | 17 | 4  |    | 56   |
| 18 | 29 | d | D cum 4.        | 18 | 5  |    | 55   |
| 19 | 30 | e | S. Andrew       | 19 | 6  |    | 54   |
| 20 |    | f | Advent Sun      | 20 | 7  |    | 53   |
| 21 | 2  | g | Bibiana         | 21 | 8  |    | 52   |
| 22 | 3  | a | Fran. Xav.      | 22 | 9  |    | 51   |
| 23 | 4  | b | Barbara         | 23 | 10 |    | 50   |
| 24 | 5  | c | Sabba Ab.       | 24 | 8  | 11 | 3 49 |
| 25 | 6  | d | Nicholas        | 25 | 12 |    | 48   |
| 26 | 7  | e | Ambros.         | 26 | 13 |    | 47   |
| 27 | 8  | f | 2 S. in Adv.    | 27 | 14 |    | 46   |
| 28 | 9  | g |                 | 28 | 15 |    | 45   |
| 29 | 10 | a | Melchiad        | 29 | 15 |    | 45   |
| 30 | 11 | b | Damas. P.C.     | 30 | 8  | 16 | 3 44 |



# December hath XXXI Days

- ☾ Last quarter the 3d day, at Midnight.
- New Moon the 10th day, at 2 Afternoon.
- ☾ First quarter the 17th day, at 11 at Night.
- Full Moon the 26th day, at 3 in the Morn.

|    |   |                |          |        |  |                   |
|----|---|----------------|----------|--------|--|-------------------|
| 1  | f | Decum Cor. ♀   | heart    | 9 A 13 |  | Flying Clouds,    |
| 2  | g | h 23 II.       | bowels   | 10 28  |  | bringing Snow,    |
| 3  | a | 4 15 X.        | and      | 11 33  |  | ☐ ☉ h. and va-    |
| 4  | B | 2 Sun. in Adv. | belly    | Morn.  |  | riety of right    |
| 5  | c |                | reins    | 1 4    |  | ♂ h ♀. winterly   |
| 6  | n | Nicholas       | loins    | 2 15   |  | Weather.          |
| 7  | e | Pr. Louisa ber | secrets  | 3 37   |  | ☾ Perigeeon.      |
| 8  | f | Concep. V. M.  | bladder  | 4 59   |  | High Winds,       |
| 9  | B | ☾ with ♂, ♀    | thighs   | 5 18   |  | ♂ ☉ ♀. ♂ ♂ ♀.     |
| 10 | a | Shortest Day.  | hips     | New    |  | with a consider-  |
| 11 | B | 3 Sun. in Adv. | knees    | 5 A 10 |  | able downfal of   |
| 12 | c | ☉ in ♍ 2 deg   | hams     | 6 16   |  | Snow or Rain.     |
| 13 | d | Lucia          | legs     | 7 21   |  |                   |
| 14 | e | Ember Week     | ankles   | 8 32   |  |                   |
| 15 | f | ☾ with Jupiter | feet     | 9 40   |  | Cold Air, inclin- |
| 16 | g | ☉ Sapiencia    | toes     | 10 49  |  | ed to Frost and   |
| 17 | a |                | head     | 11 58  |  | Snow.             |
| 18 | B | 4 Sun. in Adv. | and      | Morn.  |  |                   |
| 19 | c | ♂ 11 ♀.        | face     | 1 0    |  | Dull cloudy Wea   |
| 20 | d | ♀ 17 ♀.        | neck     | 2 0    |  | ☐ 4 ♀. ther.      |
| 21 | e | St. Thomas     | throat   | 3 0    |  | * 4 ♀. ☾ Apog     |
| 22 | f | ♀ 19 ♍.        | arms     | 4 3    |  | Blustering Wind,  |
| 23 | g |                | and      | 5 11   |  | ♂ h ♀. with       |
| 24 | a | ☾ with Saturn  | shoulder | 6 17   |  | great Plenty of   |
| 25 | B | Christ Born.   | breast   | Full   |  | cold Rain or      |
| 26 | c | St. Stephen    | stomach  | 4 A 30 |  | Snow, with wet    |
| 27 | d | St. John       | heart    | 5 38   |  | flabby and win-   |
| 28 | e | M. Innocents   | and      | 6 49   |  | terly Weather to  |
| 29 | f | Decum Cor. ♀   | back     | 7 57   |  | * ☉ 4. the End    |
| 30 | g | Day 7h. 42m.   | bowels   | 9 15   |  | ☐ 4 ♂. of the     |
| 31 | a | Silvester.     | belly    | 10 37  |  | Year.             |

Moon's rising

Moon's setting

☾'s rising

*SAUNDERS, December 1737.*

Saturn being now in Opposition to the Sun, may be seen all Night.

*Jupiter is South at 5 in the Evening, and sets 11 at Night.*

*Mars rises at 6 in the Morning, nearly in Conjunction with bright Venus.*

|    |    |   |                  |                                 |    |   |    |   |    |
|----|----|---|------------------|---------------------------------|----|---|----|---|----|
| 1  | 12 | c | Valerius         | on of the Zodiacal Mat-         | 1  | S | 16 | 3 | 44 |
| 2  | 13 | d | Lucia            | ter in a long Course of         | 2  |   | 16 |   | 44 |
| 3  | 14 | e |                  | several Ages, and so            | 3  |   | 17 |   | 43 |
| 4  | 15 | f | 3 S. in Adv.     | suffer in their periodical      | 4  |   | 17 |   | 43 |
| 5  | 16 | g |                  | Motions; as also,               | 5  |   | 18 |   | 42 |
| 6  | 17 | a | Lazarus          | seeing that <i>Venus</i> and    | 6  |   | 18 |   | 42 |
| 7  | 18 | b | Angaria          | <i>Mercury</i> being almost al- | 7  |   | 18 |   | 42 |
| 8  | 19 | c | Ammon            | ways immersed in the            | 8  |   | 19 |   | 41 |
| 9  | 20 | d | 3. Thomas        | Zodiacal Matter, he             | 9  |   | 19 |   | 41 |
| 10 | 21 | e | 4 S. in Adv.     | thinks may be the Cause         | 10 |   | 19 |   | 41 |
| 11 | 22 | f |                  | why 'tis so difficult to        | 11 | 8 | 19 | 3 | 41 |
| 12 | 23 | g | Ad. & Eve        | observe Spots in them,          | 12 |   | 19 |   | 41 |
| 13 | 24 | a | Nativ. Chris     | and also that the Tail of       | 13 |   | 19 |   | 41 |
| 14 | 25 | b | Stephanus        | a Comet is owing to this        | 14 |   | 19 |   | 41 |
| 15 | 26 | c | Joh. Evang       | Zodiacal Matter.                | 15 |   | 18 |   | 42 |
| 16 | 27 | d | Innoc. Puer      |                                 | 16 |   | 18 |   | 42 |
| 17 | 28 | e | 1 S. af. Chris   |                                 | 17 |   | 18 |   | 42 |
| 18 | 29 | f |                  |                                 | 18 |   | 17 |   | 43 |
| 19 | 30 | g |                  |                                 | 19 |   | 17 |   | 43 |
| 20 | 31 | a | Silvest. P.C.    |                                 | 20 | S | 16 | 3 | 44 |
| 21 | 1  | b | Jan. 1738. Cito. |                                 | 21 |   | 16 |   | 44 |
| 22 | 2  | c | Abel             | FINIS.                          | 22 |   | 15 |   | 45 |
| 23 | 3  | d | Methusal.        |                                 | 23 |   | 15 |   | 45 |
| 24 | 4  | e | Seth.            |                                 | 24 |   | 14 |   | 46 |
| 25 | 5  | f | 2 S. af. Chris   |                                 | 25 |   | 14 |   | 46 |
| 26 | 6  | g | Epiphany         |                                 | 26 |   | 13 |   | 47 |
| 27 | 7  | a |                  |                                 | 27 |   | 12 |   | 48 |
| 28 | 8  | b |                  |                                 | 28 |   | 11 |   | 49 |
| 29 | 9  | c | Nicanor          |                                 | 29 |   | 10 |   | 50 |
| 30 | 10 | d | Hygin.           |                                 | 30 | 8 | 9  | 3 | 51 |
| 31 | 11 | e |                  |                                 | 31 |   | 8  |   | 52 |

# A Table of simple Interest, at 5 per Cent.

| Princi-<br>pal.    | A<br>Week. |    |    | One<br>Month. |    |    | Two<br>Months. |    |    | Three<br>Months. |    |    | Six<br>Months. |    |    | Nine<br>Months. |    |    | A<br>Year. |    |    |   |
|--------------------|------------|----|----|---------------|----|----|----------------|----|----|------------------|----|----|----------------|----|----|-----------------|----|----|------------|----|----|---|
| Shillings          | s.         | d. | q. | s.            | d. | q. | s.             | d. | q. | s.               | d. | q. | s.             | d. | q. | s.              | d. | q. | s.         | d. | q. |   |
| 5                  | 0          | 0  | 0  | 0             | 0  | 1  | 0              | 0  | 2  | 0                | 0  | 3  | 0              | 1  | 2  | 0               | 2  | 1  | 0          | 3  | 0  |   |
| 10                 | 0          | 0  | 0  | 0             | 0  | 2  | 0              | 1  | 0  | 0                | 1  | 2  | 0              | 3  | 0  | 0               | 4  | 2  | 0          | 6  | 0  |   |
| 15                 | 0          | 0  | 0  | 0             | 0  | 3  | 0              | 1  | 2  | 0                | 2  | 1  | 0              | 4  | 2  | 0               | 6  | 1  | 0          | 9  | 0  |   |
| Pounds             | 1          | 0  | 0  | 1             | 0  | 1  | 0              | 2  | 0  | 0                | 3  | 0  | 0              | 6  | 0  | 0               | 9  | 0  | 1          | 0  | 0  |   |
|                    | 2          | 0  | 0  | 2             | 0  | 2  | 0              | 4  | 0  | 0                | 6  | 0  | 1              | 0  | 0  | 1               | 6  | 0  | 2          | 0  | 0  |   |
|                    | 3          | 0  | 0  | 3             | 0  | 3  | 0              | 6  | 0  | 0                | 9  | 0  | 1              | 6  | 0  | 2               | 3  | 0  | 3          | 0  | 0  |   |
|                    | 4          | 0  | 1  | 0             | 0  | 4  | 0              | 8  | 0  | 1                | 0  | 0  | 2              | 0  | 0  | 3               | 0  | 0  | 4          | 0  | 0  |   |
|                    | 5          | 0  | 1  | 1             | 0  | 5  | 0              | 10 | 0  | 1                | 3  | 0  | 2              | 6  | 0  | 3               | 9  | 0  | 5          | 0  | 0  |   |
|                    | 6          | 0  | 1  | 2             | 0  | 6  | 0              | 1  | 0  | 0                | 1  | 6  | 0              | 3  | 0  | 4               | 6  | 0  | 6          | 0  | 0  |   |
|                    | 7          | 0  | 1  | 3             | 0  | 7  | 0              | 1  | 2  | 0                | 1  | 9  | 0              | 3  | 6  | 0               | 5  | 3  | 0          | 7  | 0  | 0 |
|                    | 8          | 0  | 2  | 0             | 0  | 8  | 0              | 1  | 4  | 0                | 2  | 0  | 0              | 4  | 0  | 0               | 6  | 0  | 0          | 8  | 0  | 0 |
|                    | 9          | 0  | 2  | 1             | 0  | 9  | 0              | 1  | 6  | 0                | 2  | 3  | 0              | 4  | 6  | 0               | 6  | 9  | 0          | 9  | 0  | 0 |
| Tens of Pounds     | 10         | 0  | 2  | 2             | 0  | 10 | 0              | 1  | 8  | 0                | 2  | 6  | 0              | 5  | 0  | 0               | 7  | 6  | 0          | 10 | 0  | 0 |
|                    | 20         | 0  | 5  | 0             | 0  | 1  | 8              | 0  | 3  | 4                | 0  | 5  | 0              | 0  | 10 | 0               | 0  | 15 | 0          | 1  | 0  | 0 |
|                    | 30         | 0  | 7  | 2             | 0  | 2  | 6              | 0  | 5  | 0                | 7  | 6  | 0              | 15 | 0  | 1               | 2  | 6  | 1          | 10 | 0  | 0 |
|                    | 40         | 0  | 10 | 0             | 0  | 3  | 4              | 0  | 6  | 8                | 0  | 10 | 0              | 1  | 0  | 0               | 1  | 10 | 0          | 2  | 0  | 0 |
|                    | 50         | 1  | 0  | 2             | 0  | 4  | 1              | 0  | 8  | 4                | 0  | 12 | 6              | 1  | 5  | 0               | 1  | 17 | 6          | 2  | 10 | 0 |
|                    | 60         | 1  | 3  | 0             | 0  | 5  | 0              | 0  | 10 | 0                | 0  | 15 | 0              | 1  | 10 | 0               | 2  | 5  | 0          | 3  | 0  | 0 |
|                    | 70         | 1  | 5  | 2             | 0  | 5  | 10             | 0  | 11 | 8                | 0  | 17 | 6              | 1  | 15 | 0               | 2  | 12 | 6          | 3  | 10 | 0 |
|                    | 80         | 1  | 7  | 0             | 0  | 6  | 8              | 0  | 13 | 4                | 1  | 0  | 0              | 2  | 0  | 0               | 3  | 0  | 0          | 4  | 0  | 0 |
|                    | 90         | 1  | 9  | 2             | 0  | 7  | 6              | 0  | 15 | 0                | 1  | 2  | 6              | 2  | 5  | 0               | 3  | 7  | 6          | 4  | 10 | 0 |
| Hundreds of Pounds | 100        | 2  | 1  | 0             | 0  | 8  | 4              | 0  | 16 | 8                | 1  | 5  | 0              | 2  | 10 | 0               | 3  | 15 | 0          | 5  | 0  | 0 |
|                    | 200        | 4  | 2  | 0             | 0  | 16 | 8              | 1  | 13 | 4                | 2  | 10 | 0              | 5  | 0  | 0               | 7  | 10 | 0          | 10 | 0  | 0 |
|                    | 300        | 6  | 3  | 0             | 1  | 5  | 0              | 2  | 10 | 0                | 3  | 15 | 0              | 7  | 10 | 0               | 11 | 5  | 0          | 15 | 0  | 0 |
|                    | 400        | 8  | 4  | 0             | 1  | 13 | 4              | 3  | 6  | 8                | 5  | 0  | 0              | 10 | 0  | 0               | 15 | 0  | 0          | 20 | 0  | 0 |
|                    | 500        | 10 | 5  | 0             | 2  | 1  | 8              | 4  | 3  | 4                | 6  | 15 | 0              | 12 | 10 | 0               | 18 | 15 | 0          | 25 | 0  | 0 |
|                    | 600        | 12 | 6  | 0             | 2  | 10 | 0              | 5  | 0  | 0                | 7  | 0  | 0              | 15 | 0  | 0               | 22 | 10 | 0          | 30 | 0  | 0 |
|                    | 700        | 14 | 7  | 0             | 2  | 18 | 4              | 5  | 16 | 8                | 8  | 15 | 0              | 17 | 10 | 0               | 26 | 5  | 0          | 35 | 0  | 0 |
|                    | 800        | 16 | 8  | 0             | 3  | 6  | 8              | 6  | 13 | 4                | 10 | 0  | 0              | 20 | 0  | 0               | 30 | 0  | 0          | 40 | 0  | 0 |
|                    | 900        | 18 | 9  | 0             | 3  | 15 | 0              | 7  | 10 | 0                | 11 | 5  | 0              | 22 | 10 | 0               | 33 | 15 | 0          | 45 | 0  | 0 |
|                    | 1000       | 20 | 10 | 0             | 4  | 3  | 4              | 8  | 6  | 8                | 12 | 10 | 0              | 25 | 0  | 0               | 37 | 10 | 0          | 50 | 0  | 0 |

To find the Interest of 747 Pounds 10 Shillings, for a Year, three Months and a Week.

|              | 1 Year.  | 3 Months. | a Week.  |           | l. | s. | d. | q. |
|--------------|----------|-----------|----------|-----------|----|----|----|----|
| Pounds { 700 | 35 0 0   | 8 15 0 0  | 0 14 7 0 | For the   | 37 | 7  | 6  | 0  |
| 40           | 2 0 0 0  | 10 0 0 0  | 0 0 10 0 | Year.     |    |    |    |    |
| 7            | 0 7 0 0  | 1 9 0 0   | 0 0 1 3  | 3 Months. | 9  | 6  | 10 | 2  |
| Shillings 10 | 0 0 6 0  | 0 0 1 2   | 0 0 0 0  | the Week. | 0  | 15 | 6  | 3  |
|              | 37 7 6 9 | 6 10 2 0  | 0 15 6 3 | Total.    | 47 | 9  | 11 | 1  |

By this Operation you see the Interest of 747l. 10s. 0d. for a Year, 3 Months, and one Week, comes to 47l. 9s. 11d. 1q. In the like manner you must work for any other Sum.

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# SAUNDERS, 1737.

## The SECOND PART.

Containing the Eclipses; the Sun's Quarterly Ingresses; the Southing of the 7 stars for every 5th Day of this Year; with Directions for finding the Rising, southing and setting of several fixed stars: As also Rules and Tables to measure Timber: And other Things worth Observation.

The Characters of the Twelve Signs, and what Parts of the Body they are said to govern.

♈ Aries, Head & Face; ♉ Taurus, Neck & Throat; ♊ Gemini, Arms and Shoulders; ♋ Cancer, Breast & Stomach; ♌ Leo, Heart & Back; ♍ Virgo, Bowels & Belly; ♎ Libra, Reins & Loins; ♏ Scorpio, Secrets; ♐ Sagittary, Thighs; ♑ Capricorn, Knees; ♒ Aquarius, Legs; ♓ Pisces, the Feet.

The Characters of the Planets, with the Dragon's Head and Tail, ♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☾ Moon, ♁ Dragon's Head, ☊ Dragon's Tail.

The Aspects.

☿ Conjunction, \* Sextile, ☐ Quartile, Δ Trine, ☍ Opposition.

## A Brief Chronology of Memorable Things to this Year, 1737.

|                                            |      |
|--------------------------------------------|------|
| THE Creation of the World                  | 5686 |
| Noah's Flood,                              | 4000 |
| The Destruction of Sodom and Gomorrah      | 3639 |
| The Destruction of Troy                    | 2919 |
| Brute entred this Island                   | 2844 |
| The Building of London                     | 2844 |
| The Building of York                       | 2726 |
| The Building of Leicester                  | 2680 |
| The Building of Canterbury                 | 2629 |
| The Building of Stamford                   | 2597 |
| The Building of Rome                       | 2485 |
| The Destruction of Jerusalem by T. Vesp.   | 1650 |
| England first received the Christian Faith | 1557 |
| The Tower of London built                  | 1172 |
| Duke William conquer'd England             | 671  |
| Westminster Hall was built                 | 638  |
| The Bible divided into Chapters            | 502  |

C

The

# S A U N D E R S, 1737.

|       |                                                                                                                                                |     |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Since | The Invention of Guns                                                                                                                          | 352 |
|       | The Art of Printing                                                                                                                            | 297 |
|       | St. Pauls Steeple fired                                                                                                                        | 170 |
|       | New Star in <i>Cassiopeia</i>                                                                                                                  | 164 |
|       | A great Snow fell Feb. 4.                                                                                                                      | 158 |
|       | Tilbury Camp on St. James's day                                                                                                                | 147 |
|       | A Plague in London, whereof died 30598                                                                                                         | 135 |
|       | Gunpowder Treason, November 5                                                                                                                  | 132 |
|       | A great Snow, and Smithfield paved                                                                                                             | 122 |
|       | A great Plague in London, whereof dyed 35418                                                                                                   | 112 |
|       | The Long Parliament began, November 3.                                                                                                         | 97  |
|       | King Charles the First was Murdered                                                                                                            | 89  |
|       | Two Comets appeared in December and March                                                                                                      | 73  |
|       | The doleful Plague that followed them                                                                                                          | 72  |
|       | London was burnt, September 2, 3, 4, 5                                                                                                         | 70  |
|       | The last great Snow                                                                                                                            | 73  |
|       | The wonderful Comet in December                                                                                                                | 57  |
|       | A Comet in August                                                                                                                              | 55  |
|       | The terrible Fire in Wapping, November 19                                                                                                      | 55  |
|       | A great Earthquake, October the 6th                                                                                                            | 53  |
|       | The last great Frost                                                                                                                           | 53  |
|       | The Rebellion in the West                                                                                                                      | 52  |
|       | The seven Bishops sent to the Tower, June                                                                                                      | 49  |
|       | The Prince of Orange landed, November 5                                                                                                        | 49  |
|       | King William went to Ireland with an Army, June                                                                                                | 47  |
|       | The French Fleet beaten by the English and Dutch, &c.                                                                                          | 45  |
|       | Our most Gracious Queen Mary died, December 28,                                                                                                | 43  |
|       | The horrid Conspiracy to assassinate His Majesty King }<br>William, and to bring in the French, was happily disc. }                            | 43  |
|       | The Peace concluded with France                                                                                                                | 40  |
|       | War again proclaimed against France, &c.                                                                                                       | 35  |
|       | Gibraltar taken by the English & Dutch Fleet, July                                                                                             | 33  |
|       | The Glorious Battle of Blenheim, where the French }<br>were beaten by the Confederates }                                                       | 33  |
|       | The Battle of Ramillies, wherein the French were beaten; }<br>England and Scotland made one Kingdom, by the }<br>Name of Great Britain, May 1. | 30  |
|       | Peace again concluded with France, 1713                                                                                                        | 24  |
|       | King George I proclaim'd, Aug. 1, 1714.                                                                                                        | 21  |
|       | King George I. died, June 11. 1727.                                                                                                            | 10  |
|       | King George 2. proclaimed, June 15. 1727.                                                                                                      | 10  |
|       | And crowned October 11. 1727.                                                                                                                  | 10  |
|       | The Prince of Wales married                                                                                                                    | 1   |

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# S A U N D E R S. 1737.

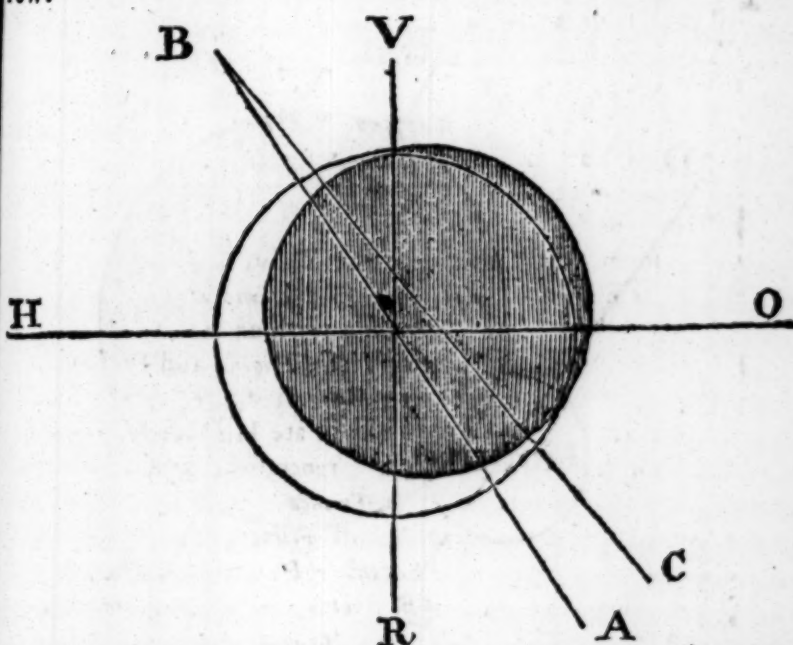
## Of the ECLIPSES.

FOUR Times within the Revolution of this Year, will the the two great Luminaries be eclipsed, viz. twice the Sun and twice the Moon. They happen in the following Order.

The first is a great visible and almost total Eclipse of the Sun, on *Friday* the 18th Day of *February*, in the Afternoon, as follows.

|                            |   | D.                            | H. | M. |           |
|----------------------------|---|-------------------------------|----|----|-----------|
| Apparent<br>Time of<br>the | { | Beginning, <i>February</i> 18 | 2  | 1  | } Aftern. |
|                            |   | Middle,                       | 3  | 25 |           |
|                            |   | End,                          | 4  | 43 |           |
|                            |   | Duration,                     | 2  | 42 |           |
|                            |   | Digits Eclipsed, 9° 45'       |    |    |           |

At the Middle of this Eclipse the Appearance will be as below.



H. O. represent an Horizontal Line, V. R. a Vertical Line passing through the Centre of the Sun at the Middle of the Eclipse. A. B. the Ecliptick, and C. B. the Way of the Moon.

The second Eclipse is an Invisible Eclipse of the Moon on the 5th Day of *March* at 5 in the Evening.

The

# S A U N D E R S. 1737.

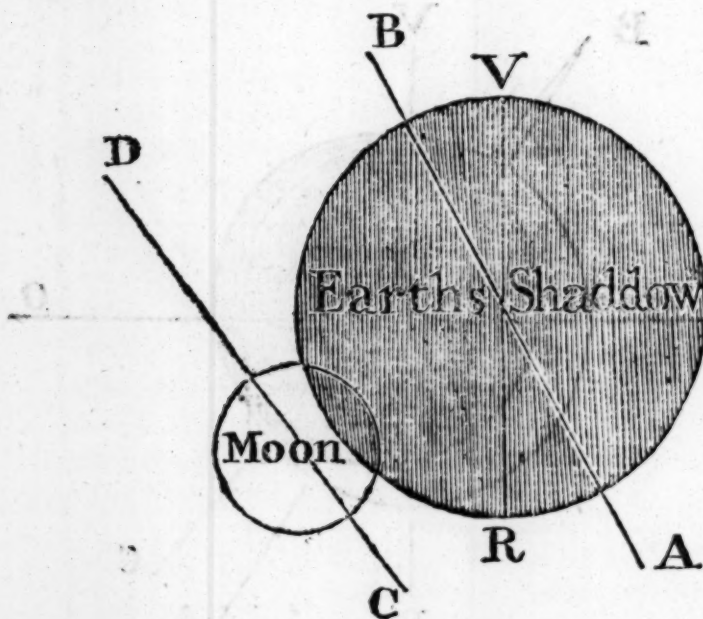
The Third is an Invisible Eclipse of the Sun, on the 15th Day of *August*, about 1 in the Morning.

The Fourth and last is a small and visible Eclipse of the Moon, on *Monday* the 29th Day of *August* in the Morning, as follows.

|                         |                                  | D. H. M. |    |
|-------------------------|----------------------------------|----------|----|
| Apparent<br>time of the | Beginning, <i>August</i> 29      | 2        | 34 |
|                         | Middle,                          | 3        | 44 |
|                         | End,                             | 4        | 54 |
|                         | Duration,                        | 2        | 20 |
|                         | Digits Eclipsed, $4^{\circ} 34'$ |          |    |

At the Middle of this Eclipse the Moon will appear as in the following Type.

V. R. represents the Vertical Diameter of the Earth's Shadow in the Place of the Moon at the Time of the Middle of this Eclipse; A. B. the Ecliptick, and C. D. the Way of the Moon.



*Note*, In all Eclipses of the Moon, the East Side of the Moon first enters into the Earth's Shadow, and so consequently does first become eclipsed. But in Solar Eclipses, the West Side of the Sun first becomes eclipsed, by Reason the proper Motion of the Moon is from West to East.

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# S A U N D E R S. 1737.

A Table of Equation of Natural Days, for the better proving the Truth of the Motion of Clocks and Watches for the first six Months of the Year 1737.

| M.D.I | January |    | Febr. |    | March |    | April |     | May |    | June |     |
|-------|---------|----|-------|----|-------|----|-------|-----|-----|----|------|-----|
|       | m.      | f. | m.    | f. | m.    | f. | m.    | f.  | m.  | f. | m.   | f.  |
| 1     | 8       | 59 | 14    | 48 | 10    | 8  | 0     | 49  | 4   | 9  | 1    | 5   |
| 2     | 9       | 21 | 14    | 47 | 9     | 55 | 0     | 32  | 4   | 11 | 0    | 53  |
| 3     | 9       | 43 | 14    | 45 | 9     | 34 | 0     | 16  | 4   | 12 | 0    | 40  |
| 4     | 10      | 5  | 14    | 43 | 9     | 17 | 0     | * 1 | 4   | 13 | 0    | 28  |
| 5     | 10      | 20 | 14    | 38 | 8     | 53 | 0     | 14  | 4   | 12 | 0    | 16  |
| 6     | 10      | 45 | 14    | 33 | 8     | 41 | 0     | 29  | 4   | 11 | 0    | * 3 |
| 7     | 11      | 5  | 14    | 28 | 8     | 24 | 0     | 44  | 4   | 10 | 0    | 10  |
| 8     | 11      | 24 | 14    | 23 | 8     | 5  | 0     | 58  | 4   | 8  | 0    | 23  |
| 9     | 11      | 40 | 14    | 14 | 7     | 47 | 1     | 12  | 4   | 6  | 0    | 36  |
| 10    | 11      | 57 | 14    | 9  | 7     | 29 | 1     | 6   | 4   | 4  | 0    | 49  |
| 11    | 12      | 14 | 14    | 1  | 7     | 10 | 1     | 38  | 4   | 1  | 1    | 1   |
| 12    | 12      | 36 | 13    | 52 | 6     | 52 | 1     | 51  | 3   | 57 | 1    | 14  |
| 13    | 12      | 44 | 13    | 43 | 6     | 33 | 2     | 3   | 3   | 52 | 1    | 27  |
| 14    | 12      | 58 | 13    | 34 | 6     | 15 | 2     | 14  | 3   | 47 | 1    | 0   |
| 15    | 13      | 12 | 13    | 24 | 5     | 50 | 2     | 24  | 3   | 42 | 1    | 53  |
| 16    | 13      | 24 | 13    | 13 | 5     | 37 | 2     | 34  | 3   | 35 | 2    | 5   |
| 17    | 13      | 35 | 13    | 2  | 5     | 28 | 2     | 40  | 3   | 29 | 2    | 7   |
| 18    | 13      | 46 | 12    | 50 | 5     | 0  | 2     | 56  | 3   | 23 | 2    | 29  |
| 19    | 13      | 56 | 12    | 37 | 4     | 41 | 3     | 4   | 3   | 15 | 2    | 41  |
| 20    | 14      | 5  | 12    | 25 | 4     | 25 | 3     | 12  | 3   | 7  | 2    | 53  |
| 21    | 14      | 13 | 12    | 12 | 4     | 3  | 3     | 20  | 2   | 58 | 3    | 4   |
| 22    | 14      | 20 | 11    | 57 | 3     | 44 | 3     | 28  | 2   | 50 | 3    | 16  |
| 23    | 14      | 27 | 11    | 45 | 3     | 26 | 3     | 35  | 2   | 41 | 3    | 27  |
| 24    | 14      | 32 | 11    | 28 | 3     | 8  | 3     | 42  | 2   | 31 | 3    | 38  |
| 25    | 14      | 37 | 11    | 13 | 2     | 49 | 3     | 47  | 2   | 21 | 3    | 48  |
| 26    | 14      | 41 | 10    | 58 | 2     | 31 | 3     | 52  | 2   | 11 | 3    | 59  |
| 27    | 14      | 44 | 10    | 42 | 2     | 13 | 3     | 56  | 2   | 1  | 4    | 9   |
| 28    | 14      | 47 | 10    | 25 | 1     | 55 | 4     | 0   | 1   | 51 | 4    | 19  |
| 29    | 14      | 48 |       |    | 1     | 38 | 4     | 3   | 1   | 40 | 4    | 27  |
| 30    | 14      | 49 |       |    | 1     | 22 | 4     | 6   | 1   | 28 | 4    | 35  |
| 31    | 14      | 49 |       |    | 1     | 5  |       |     | 1   | 17 |      |     |

# A U N D E R S. 1737.

A Table of Equation of Natural Days, for the better proving the Truth of the Motion of Clocks and Watches, the last six Months of the Year 1737.

| M.D. | July |    | August |    | Septem. |    | October |    | Novem. |    | Decemb. |    |
|------|------|----|--------|----|---------|----|---------|----|--------|----|---------|----|
|      | m.   | f. | m.     | f. | m.      | f. | m.      | f. | m.     | f. | m.      | f. |
| 1    | 4    | 43 | 4      | 30 | 3       | 48 | 13      | 14 | 15     | 23 | 5       | 42 |
| 2    | 4    | 51 | 4      | 20 | 4       | 9  | 13      | 28 | 15     | 15 | 5       | 13 |
| 3    | 4    | 58 | 4      | 10 | 4       | 29 | 13      | 43 | 15     | 5  | 4       | 45 |
| 4    | 5    | 5  | 4      | 0  | 4       | 50 | 13      | 56 | 14     | 55 | 4       | 16 |
| 5    | 5    | 11 | 3      | 49 | 5       | 10 | 14      | 8  | 14     | 44 | 3       | 47 |
| 6    | 5    | 17 | 3      | 37 | 5       | 31 | 14      | 20 | 14     | 32 | 3       | 17 |
| 7    | 5    | 23 | 3      | 24 | 5       | 52 | 14      | 31 | 14     | 20 | 2       | 47 |
| 8    | 5    | 28 | 3      | 11 | 6       | 12 | 14      | 41 | 14     | 6  | 2       | 17 |
| 9    | 5    | 32 | 2      | 58 | 6       | 33 | 14      | 51 | 13     | 52 | 1       | 47 |
| 10   | 5    | 35 | 2      | 44 | 6       | 53 | 15      | 1  | 13     | 38 | 1       | 18 |
| 11   | 5    | 38 | 2      | 30 | 7       | 14 | 15      | 11 | 13     | 21 | 0       | 38 |
| 12   | 5    | 41 | 2      | 16 | 7       | 34 | 15      | 20 | 13     | 4  | 0       | 18 |
| 13   | 5    | 43 | 2      | 2  | 7       | 54 | 15      | 26 | 12     | 47 | 0       | 12 |
| 14   | 5    | 45 | 1      | 46 | 8       | 14 | 15      | 32 | 12     | 28 | 0       | 42 |
| 15   | 5    | 46 | 1      | 30 | 8       | 33 | 15      | 38 | 12     | 9  | 1       | 12 |
| 16   | 5    | 46 | 1      | 13 | 8       | 53 | 15      | 44 | 11     | 50 | 1       | 42 |
| 17   | 5    | 45 | 0      | 56 | 9       | 13 | 15      | 49 | 11     | 30 | 2       | 11 |
| 18   | 5    | 44 | 0      | 39 | 9       | 32 | 15      | 52 | 11     | 9  | 2       | 40 |
| 19   | 5    | 42 | 0      | 21 | 9       | 52 | 15      | 55 | 10     | 47 | 3       | 9  |
| 20   | 5    | 40 | 0*     | 3  | 10      | 11 | 15      | 57 | 10     | 25 | 3       | 38 |
| 21   | 5    | 38 | 0      | 14 | 10      | 30 | 15      | 59 | 10     | 2  | 4       | 7  |
| 22   | 5    | 35 | 0      | 31 | 10      | 48 | 16      | 1  | 9      | 38 | 4       | 35 |
| 23   | 5    | 31 | 0      | 50 | 11      | 6  | 16      | 0  | 9      | 14 | 5       | 2  |
| 24   | 5    | 27 | 1      | 9  | 11      | 24 | 15      | 59 | 8      | 49 | 5       | 29 |
| 25   | 5    | 22 | 1      | 29 | 11      | 41 | 15      | 57 | 8      | 23 | 5       | 57 |
| 26   | 5    | 16 | 1      | 49 | 11      | 58 | 15      | 55 | 7      | 57 | 6       | 23 |
| 27   | 5    | 10 | 2      | 7  | 12      | 14 | 15      | 52 | 7      | 31 | 6       | 50 |
| 28   | 5    | 3  | 2      | 27 | 12      | 29 | 15      | 48 | 7      | 5  | 7       | 16 |
| 29   | 4    | 56 | 2      | 47 | 12      | 45 | 15      | 43 | 6      | 36 | 7       | 41 |
| 30   | 4    | 48 | 3      | 8  | 13      | 0  | 15      | 37 | 6      | 10 | 8       | 6  |
| 31   | 4    | 39 | 3      | 28 |         |    | 15      | 31 |        |    | 8       | 20 |

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# S A U N D E R S. 1737.

The Equation of Time in the foregoing Table mentioned, ariseth from the difference of the Right Ascensions of the Equinoctial, and the Zodiack, together with the Equation of the Sun's or Earth's Annual Motion; whose sum if of like Denomination or Difference, if unlike, is the absolute Equation of Time, according to Mr. Tho. Street in his *Astronomia Carolina*.

Hence 'tis concluded, that a good and well adjusted Clock, or Watch, ought to be at all times so much faster or slower than the apparent Time shewn by a good Sun-Dyal, as in the foregoing Table mentioned; and for the greater exactness in examining, 'tis best to compare by the same Sun-Dyal, and at the same time of Day, as oft as may be.

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*Of the Four Quarters of the Year: And first of the Spring.*

**S** Spring Quarter begins *March 9*, 28 min. past 1 afr. the Sun then entring the first Point of *Aries* (or the *Earth Libra*) making equal Day and Night to all (except under the *Poles*.) This Quarter generally is hot and moist.

2. *Of Summer.*

This Quarter begins *June 10*, 35 m. past Noon, making the longest Day and shortest Night to all on this side the Equator. This Quarter naturally is hot and dry.

3. *Of Autumn.*

*Autumn* this Year begins *September 12*, at 2 mane, the Earth then entring *Aries*, or the *Sun Libra*, again making equal Day and Night. This Quarter is naturally cold and dry, resembling melancholly.

4. *Of Winter.*

Which begins *December 10*, 28 min. past 5 Even. making out the shortest Day and longest Night, and is naturally cold & moist.

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*To find the Rising, Southing and Setting, of several fixed Stars hereafter mentioned.*

**I**N the Tables following you have first the seven stars southing for every fifth day: In the second Table is set the difference betwixt the southing of those stars therein named, and the seven stars, which difference being added to the time of the seven stars southing, giveth theirs. In the same Table is also set their semidiurnal Arches, thereby to find the rising and setting of the said stars. Suppose it is required to



# S A U N D E R S. 1737.

now what time the great Dog-star, called *Syrus*, will be South the 11th of *February*? 1 then find the Seven Stars South at 5 hours 11 minutes, to which I add 3 hours 2 minutes the difference annexed to the great Dog-Star, and it makes 8 hours 12 minutes, being the time of its Southing the said 11th of *February*. If to the Southing you add the Semidiurnal Arch 4 hours 31 minutes, it gives the time of its setting at 12 hours 43 minutes; but if you subtract the Semidiurnal Arch from the Southing, it leaveth the time of its Rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are divided into six several magnitudes. The biggest and brightest Stars are called Stars of the first Magnitude. Those one size inferior in light, and bigness, are called Stars of the second Magnitude, &c. Now for the better knowing the Stars hereafter-mentioned; Note, That the great Dog-star, Lion's Heart, Virgins Spike, and the bright star of *Lyra*, are accounted stars of the first magnitude, so are also *Aldebaran* and *Arcturus*, but they are red stars, much of the colour of *Mars*, all the rest in the Table are of the second magnitude, except the Northern and Southern *Aff.* which are small stars, being of the fourth magnitude.

A Table shewing the hour and minute of the seven stars coming to south, every 5th day of this year 1737.

| Months.   | Days of the Month. |      |    |      |    |      |    |      |    |      |    |      |
|-----------|--------------------|------|----|------|----|------|----|------|----|------|----|------|
|           | 1                  |      | 6  |      | 11 |      | 16 |      | 21 |      | 26 |      |
|           | H.                 | M.   | H. | M.   | H. | M.   | H. | M.   | H. | M.   | H. | M.   |
| January   | 7                  | A 58 | 7  | A 37 | 7  | A 15 | 6  | A 54 | 6  | A 33 | 6  | A 13 |
| February  | 5                  | A 50 | 5  | 30   | 5  | 11   | 4  | 52   | 4  | 33   | 4  | 15   |
| March     | 4                  | A 13 | 4  | 23   | 4  | 23   | 5  | 2    | 47 | 2    | 29 |      |
| April     | 2                  | A 8  | 1  | 49   | 1  | 31   | 1  | 12   | 0  | 53   | 0  | 33   |
| May       | 0                  | A 15 | 11 | M 55 | 11 | M 35 | 11 | M 15 | 10 | M 54 | 10 | M 34 |
| June      | 10                 | M 9  | 9  | 48   | 9  | 27   | 9  | 7    | 8  | 46   | 8  | 26   |
| July      | 8                  | M 6  | 7  | 46   | 7  | 25   | 7  | 5    | 6  | 46   | 6  | 26   |
| August    | 6                  | M 4  | 5  | 46   | 5  | 27   | 5  | 9    | 4  | 50   | 4  | 32   |
| September | 4                  | M 1  | 3  | 53   | 3  | 35   | 3  | 18   | 3  | 12   | 42 |      |
| October   | 2                  | M 2  | 2  | 4    | 1  | 45   | 1  | 26   | 1  | 6    | 47 |      |
| November  | 0                  | M 23 | 0  | 3    | 11 | A 40 | 11 | A 17 | 10 | A 55 | 10 | 33   |
| December  | 10                 | A 12 | 9  | A 50 | 9  | 27   | 9  | 5    | 8  | 42   | 8  | 21   |

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# S A U N D E R S, 1737.

Table shewing the difference in hours and minutes between the coming to south of several fixed stars, and the seven stars, as also their semi-diurnal Arches thereby to find their rising and setting.

| Names of the Stars.  | Diffe. | semid. | Names of the Stars. | Diffe. | semid.             |    |    |          |    |
|----------------------|--------|--------|---------------------|--------|--------------------|----|----|----------|----|
|                      | South. | Arches |                     | South. | Arches             |    |    |          |    |
|                      | b.     | m.     | h.                  | m.     | b.                 | m. | h. | m.       |    |
| Aldebaran B. eye     | 0      | 49     | 7                   | 28     | Lions heart, Basil | 6  | 23 | 7        | 13 |
| ed. in Orions Girdle | 1      | 51     | 5                   | 54     | Virgin Spike       | 9  | 40 | 5        | 9  |
| Gr. Dog Sirius       | 3      | 24     |                     | 31     | Arcturus           | 10 | 32 | 8        | 0  |
| Castor 1st head      | 3      | 46     | 9                   | 47     | South ballance     | 11 | 54 | 40       |    |
| Lit. Dog procyon     | 3      | 54     | 6                   | 32     | North ballance     | 11 | 31 | 5        | 16 |
| Pollux, 2d. head     | 3      | 57     | 9                   | 4      | Northern Crown     | 11 | 52 | 8        | 55 |
| Northern Alf.        | 4      | 56     | 8                   | 12     | bright * Lyrae     | 14 | 57 | sets not |    |
| Southern Alf.        | 4      | 58     | 7                   | 49     | right * Vulturis   | 16 | 66 | 43       |    |

Here followeth some few Rules, and Tables, for the mensuration of Superficies and Solids.

For the Mensuration of superficial or flat measures, such as Board, Glass, Pavement, Hangings, &c. it will be necessary to know how to measure any plain superficial figure, as the Square, Long-square, or Parallelogram, Triangle, Circle, parts of the Circle, &c. examples of all which do here follow.

## I. How to measure a Square.

Let there be a square floor, or pavement, the sides whereof are each of them 5 feet 6 inches, and 'tis required to know how many square, or superficial feet are contained therein. First (a good plain way to avoid Fractions will be to) Reduce the whole side into inches, 5 feet, 6 inches, being 66 inches, multiply 66 by 66, and the Product will be 4356, the superficial content in inches; then divide 4356 by 144 (the square inches in one foot) and the quotient will be 30 feet, and 36 inches remaining, which is the number of inches in one quarter of a foot; so that in such a square is contained 30 feet and one quarter. See the Margin.

$$\begin{array}{r}
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 66 \\
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 4356 \\
 4356 \\
 144 \\
 \hline
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 432 \\
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 \end{array}$$

## II. To

# S A U N D E R S, 1737.

## II. To measure the Long-square or Parallelogram

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

## III. To Measure a Long Superficies, which is broader at one end than at the other.

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplyed by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies.

## IV. How to Measure Triangles.

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572; Or 22 (half the Base) being multiplyed by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All Trapezias, or Figures with four unequal sides; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

## VI. How to measure Circles, and parts of Circles.

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore the

# S A U N D E R S. 1737.

Diameter being given to find the circumference, you must multiply the Diameter by 22, and the product being divided by 7, the Quotient will be the circumference. Thus, suppose the Diameter of a Circle be 14, multiply 14 by 22, the product will be 308, which being divided by 7, the Quotient is 44, being the circumference of that Circle whose Diameter is 14.

*Having the Circumference, to find the Diameter.*

Multiply the circumference given by 7, the product divide by 22, and the Quotient will be the Diameter. Let the circumference of a circle be 60, multiply 60 by 7 the product will be 420, which being divided by 22, the Quotient will be  $19\frac{1}{2}$  and  $\frac{2}{11}$  or  $\frac{1}{11}$  which is the Diameter.

To find the Area or Superficial content of a Circle. Multiply half the circumference by half the Diameter, the product is the content of the Circle: Thus, Let the circumference be 44, the half whereof is 22, and the Diameter  $19\frac{1}{2}$  the half whereof is  $9\frac{1}{4}$ , by which multiplying 22, the product will be  $286\frac{1}{4}$  which is the superficial content of such a Circle; or,

By the Diameter to find the Area of the circle. First, square the Diameter, multiply the square by 11, and divide the product by 14, the Quotient is the superficial content of the circle.

Let the Diameter be as above  $19\frac{1}{2}$  the square whereof is  $380\frac{1}{4}$  this multiplied by 11 produceth 4185 which being divided by 14 the Quotient is  $286\frac{1}{4}$  as above, being the superficial content of such a circle.

To measure the superficial content of half the circle, the quarter of a circle, or of any other section of a circle, more or less, having the semidiameter given.

Multiply half of the compass thereof by the semidiameter of the circle, so shall you have the content.

*Of the Mensuration of Solids.*

**A**S Plain or Superficial Measure consisteth of two dimensions, namely, length and breadth; so Solid measure consisteth of three dimensions, namely, length, breadth and thickness.

*To measure any kind of Timber, either Square, Triangular, Round, or of any other Fashion, provided it be straight and equal all along.*

Cast up the superficial Content at the end thereof, by the Rules before going. for the finding the Content of the Square, Triangle, Circle, &c. which Superficial Content being multiplied



plied by the length of the Piece, will give you the Solid Content thereof. *Example.* Let there be a piece of Timber, (or other solid matter) whose breadth is 18 inches, its depth 13 inches, and length 142 inches, to find how many solid feet are contained therein. First, multiply the breadth 18 by the depth 13, the product is 234, being the superficial inches at the end of the piece. Secondly, multiply this 234 by 142 the length of the piece, and the product will be 33228, the solid Content in inches. Thirdly, divide 33228 by 1728, (being the number of cubical inches in one solid foot) and the quotient will be 19, and 396 inches remaining, which is 19 solid feet, and almost one quarter of a foot, and so much is the solid content of such a piece.

A 2d Example of a round piece. Let there be a round piece of Timber whose compals is 60 inches, and the length 20 feet, (or 240 inches) and let it be required to find the solid content thereof. First, by the help of the circumference 60, find the Diameter (as before is taught) by multiplying 60 by 7, and dividing the product thereof by 22, so shall you find the Diameter to be  $19\frac{1}{11}$ . Then by either of the ways before taught, viz. by multiplying the circumference by  $\frac{1}{2}$  the Diameter; or by (squaring, or) multiplying the Diameter in it self, and multiplying that square by 11, and dividing the product by 14, the superficial content of the end of such a piece will be found to be  $286\frac{4}{11}$  inches. Now multiply this  $286\frac{4}{11}$  by the length of the piece 240, and the product will be  $68727\frac{2}{11}$  the content in inches, which being divided by 1728, the quotient will be 39 feet, and  $\frac{1}{4}$  of a foot, and  $39\frac{1}{4}$  inches remaining, which is the solid content of such a piece of Timber. But had this piece of Timber been measured by that egregiously false way of taking  $\frac{1}{4}$  part of the Girt for the side of the square equal, it would have been found to be but 31 feet and  $\frac{1}{4}$  of a foot, which is above  $\frac{1}{2}$  part less than the truth, it being 39 feet, & above  $\frac{1}{2}$ .

In behalf of that erroneous way many do plead, that in round Timber there is great loss in chipping to bring it near a square, therefore that way may be allowed; but this is very unequal: in great Timber there being little loss, in small Timber much, let therefore the quality be considered, rather than make such unequal amends by a false quantity.

*Of the Mensuration of Tapering Timber, either round or squared, (such as Frustrums of Cones and Pyramids.*

**F**irst find the superficial Area of each end of the piece, and multiply the one Area by the other. Secondly, out of the



product of the two Area's, extract the Square Root; firstly, add this Root and the two Area's all into one sum. Secondly, multiply this sum by one third part of the length of the piece, and that product shall give you the Content.

Let there be a piece of Timber whose Circumference at the greater end is 66 inches, at the lesser end 44 inches, and the length 20 feet, and it is required to find how many solid feet are contained therein. First, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter  $10\frac{1}{2}$ ) will be found to be  $346\frac{1}{2}$ , and the Area of the Circle at the lesser end will be 154: These multiplied together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplied by itself produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the sum of them will be 731 $\frac{1}{2}$ . Lastly, multiply 731 $\frac{1}{2}$  by 80 inches, (one third part of the length) and the product will be 58520, being the solid inches contained therein, which inches being divided by 128, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almost half a quarter.

*To find the Content of Tapering Timber, other ways than is taught above.*

These pieces being parts of Cones or Pyramids, their Contents may be found by seeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of that part which is wanting, for that part being subtracted from the whole, the remainder must be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is, to multiply the superficial Content of the Base by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; say thus, As the difference of the sides, or Diameters of the two ends, to the length between them; so is the side, or Diameter of the greater end, to the whole length. *Example*, of the piece before mentioned, whose greater end is 66 inches about, and the lesser end 44; hence the Diameter of the greater end will be 21, and the Diameter of the lesser end will be 14, and their difference is 7, therefore say, If 7 give 20 feet what will 21 give? Answer, 60 feet; being the whole length of the Cone; Now the superficial content

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content of the Base of this Cone, (being  $346\frac{1}{2}$  inches) multiplied by 240 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. And the superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 154 being multiplied by 160, (one third part of the length of the top (or wanting part) produceth 24640 inches, the content of the wanting part, which being subtracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring of squared or Round Timber, which is supposed to be equal all along: Their Use is thus; seek the side of the squared, or compass of the Round Timber, in the first, third or fifth column of the Tables, and against it, in the next column, you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches, and 3 tenth parts of an inch: And the compass of a round piece, being 80 inches, the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

A Table, shewing how much in length will make a Solid Foot of any Square Stone or Timber: The side of the Square being given in Inches, from 1 Inch to 36 Inches square.

| Side of the Square. | Length of a solid foot | Side of the Square | Length of a solid foot. | Side of the Square. | Length of a solid foot. |
|---------------------|------------------------|--------------------|-------------------------|---------------------|-------------------------|
| Inch.               | Fe. inc. 10ths         | Inch.              | Inch. 10ths             | Inch.               | Inch. 10ths             |
| 1                   | 144 0 0                | 13                 | 10 2                    | 25                  | 2 8                     |
| 2                   | 36 0 0                 | 14                 | 8 8                     | 26                  | 2 6                     |
| 3                   | 16 0 0                 | 15                 | 7 6                     | 27                  | 2 3                     |
| 4                   | 9 0 0                  | 16                 | 6 7                     | 28                  | 2 2                     |
| 5                   | 5 9 2                  | 17                 | 5 9                     | 29                  | 2 1                     |
| 6                   | 4 0 0                  | 18                 | 5 3                     | 30                  | 1 9                     |
| 7                   | 2 11 2                 | 19                 | 4 8                     | 31                  | 1 8                     |
| 8                   | 2 3 0                  | 20                 | 4 3                     | 32                  | 1 7                     |
| 9                   | 1 9 3                  | 21                 | 3 9                     | 33                  | 1 6                     |
| 10                  | 1 5 3                  | 22                 | 3 5                     | 34                  | 1 5                     |
| 11                  | 1 2 3                  | 23                 | 3 3                     | 35                  | 1 4                     |
| 12                  | 1 0 0                  | 24                 | 3 0                     | 36                  | 1 2                     |

A Table

# S A U N D E R S. 1737.

A Table shewing how many inches in length\* will make a foot solid, of any round piece of Timber or Stone, the Girt being known, from 12 inches compass to 100.

| Com. len. of a foot |       |        | Com. len. of a foot |       |        | Com. len. of a foot |       |        |
|---------------------|-------|--------|---------------------|-------|--------|---------------------|-------|--------|
| Inch.               | Inch. | 100 p. | Inch.               | Inch. | 100 p. | Inch.               | Inch. | 100 p. |
| 11                  | 179   | 46     | 41                  | 12    | 92     | 71                  | 4     | 31     |
| 12                  | 150   | 80     | 42                  | 12    | 31     | 72                  | 4     | 20     |
| 13                  | 128   | 49     | 43                  | 11    | 74     | 73                  | 4     | 08     |
| 14                  | 110   | 79     | 44                  | 11    | 31     | 74                  | 3     | 97     |
| 15                  | 94    | 31     | 45                  | 10    | 72     | 75                  | 3     | 86     |
| 16                  | 84    | 82     | 46                  | 10    | 26     | 76                  | 3     | 76     |
| 17                  | 75    | 14     | 47                  | 9     | 83     | 77                  | 3     | 66     |
| 18                  | 67    | 02     | 48                  | 9     | 42     | 78                  | 3     | 57     |
| 19                  | 60    | 15     | 49                  | 9     | 04     | 79                  | 3     | 48     |
| 20                  | 54    | 29     | 50                  | 8     | 69     | 80                  | 3     | 39     |
| 21                  | 49    | 23     | 51                  | 8     | 35     | 81                  | 3     | 31     |
| 22                  | 44    | 86     | 52                  | 8     | 03     | 82                  | 3     | 23     |
| 23                  | 40    | 90     | 53                  | 7     | 73     | 83                  | 3     | 15     |
| 24                  | 37    | 69     | 54                  | 7     | 42     | 84                  | 3     | 08     |
| 25                  | 34    | 74     | 55                  | 7     | 18     | 85                  | 3     | 01     |
| 26                  | 32    | 12     | 56                  | 6     | 92     | 86                  | 2     | 94     |
| 27                  | 29    | 79     | 57                  | 6     | 68     | 87                  | 2     | 87     |
| 28                  | 27    | 70     | 58                  | 6     | 45     | 88                  | 2     | 80     |
| 29                  | 25    | 82     | 59                  | 6     | 24     | 89                  | 2     | 74     |
| 30                  | 24    | 13     | 60                  | 6     | 03     | 90                  | 2     | 68     |
| 31                  | 22    | 60     | 61                  | 5     | 84     | 91                  | 2     | 62     |
| 32                  | 21    | 21     | 62                  | 5     | 63     | 92                  | 2     | 57     |
| 33                  | 19    | 92     | 63                  | 5     | 47     | 93                  | 2     | 51     |
| 34                  | 18    | 78     | 64                  | 5     | 30     | 94                  | 2     | 46     |
| 35                  | 17    | 74     | 65                  | 5     | 14     | 95                  | 2     | 41     |
| 36                  | 16    | 76     | 66                  | 4     | 98     | 96                  | 2     | 36     |
| 37                  | 15    | 86     | 67                  | 4     | 84     | 97                  | 2     | 31     |
| 38                  | 15    | 04     | 68                  | 4     | 70     | 98                  | 2     | 26     |
| 39                  | 14    | 28     | 69                  | 4     | 56     | 99                  | 2     | 22     |
| 40                  | 13    | 57     | 70                  | 4     | 43     | 100                 | 2     | 17     |

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